

Figure 1

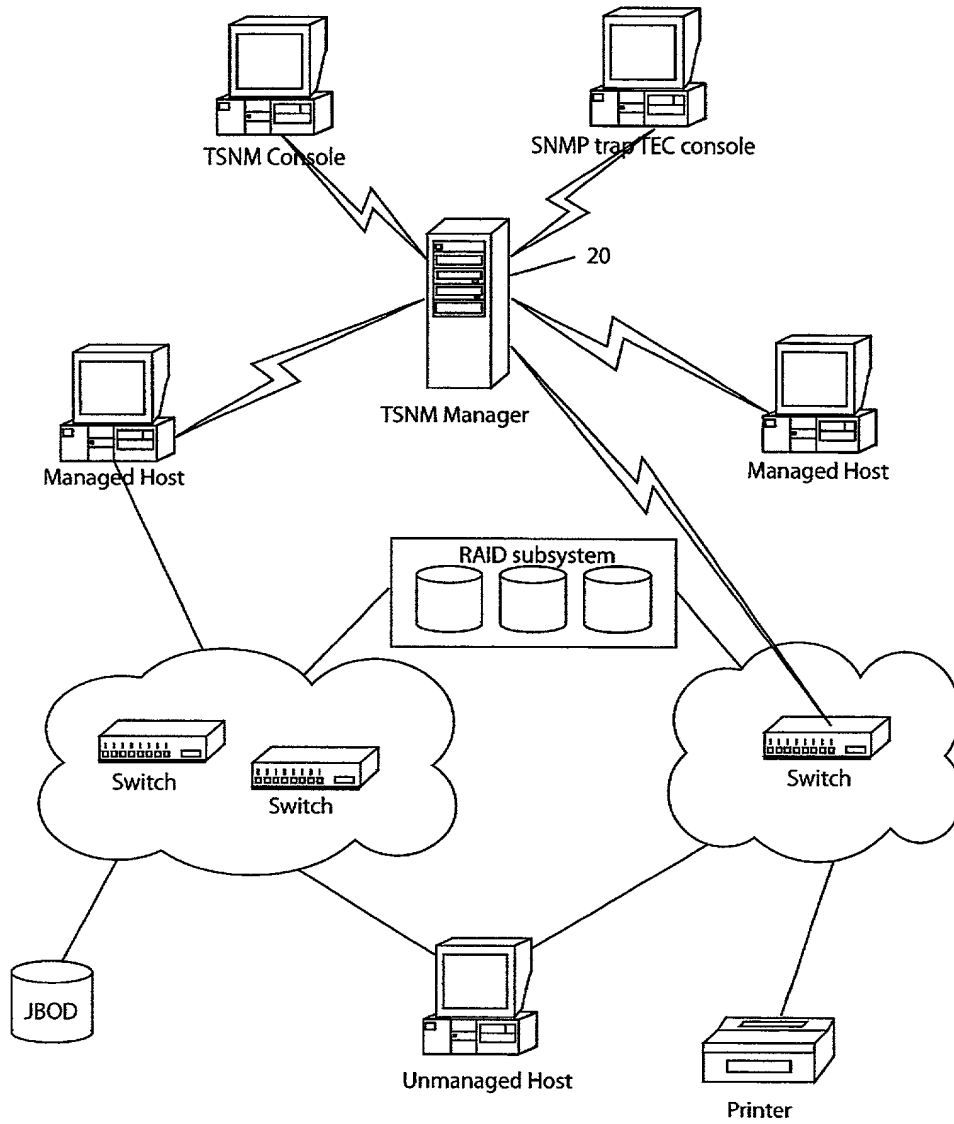


Figure 2

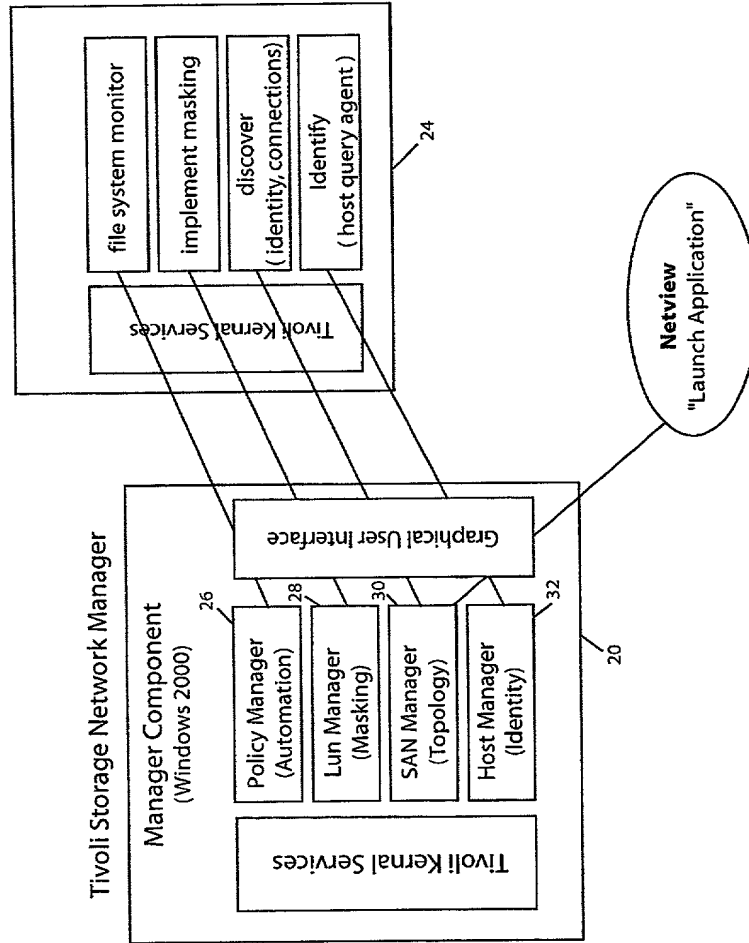


Figure 3

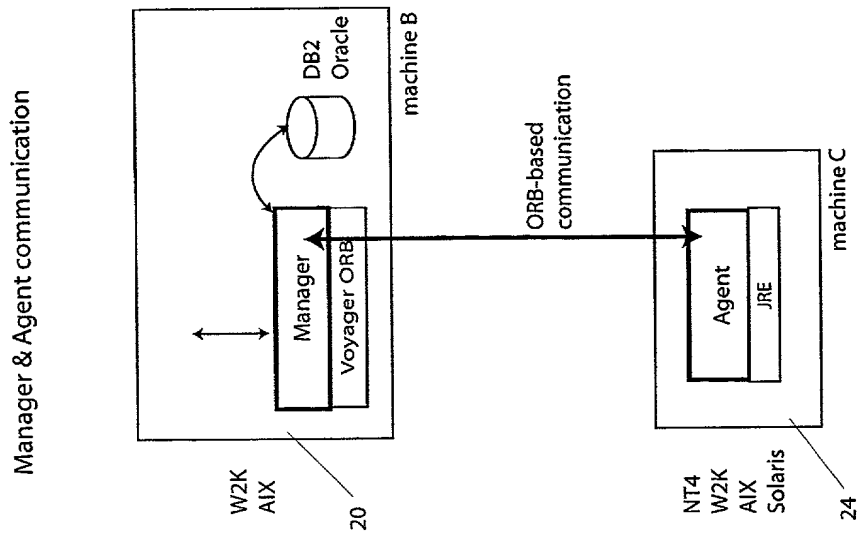


Figure 4

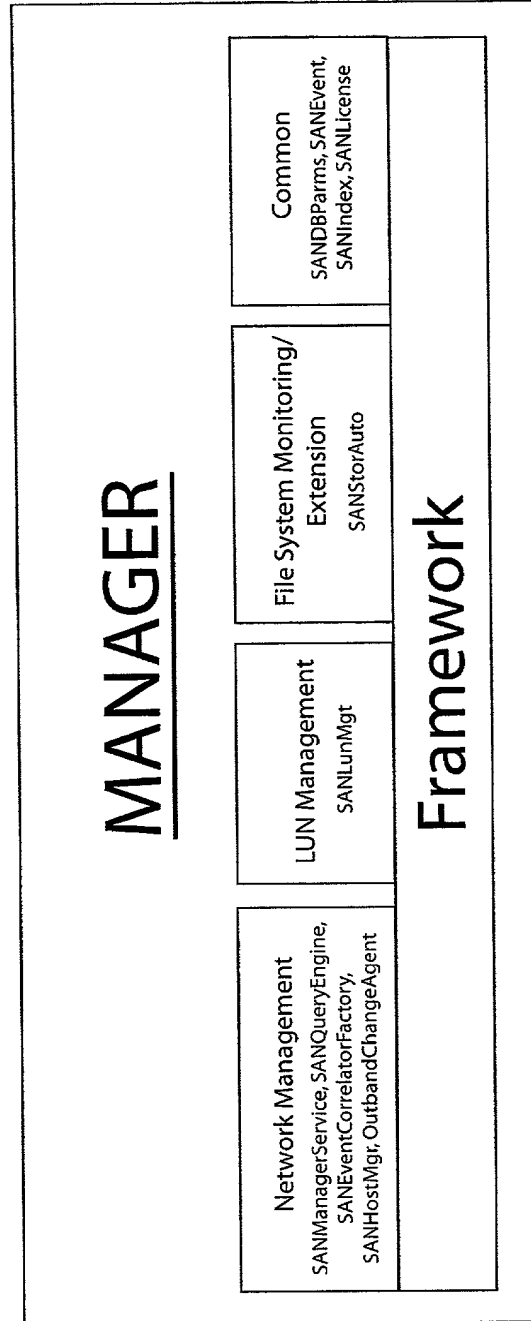


Figure 5

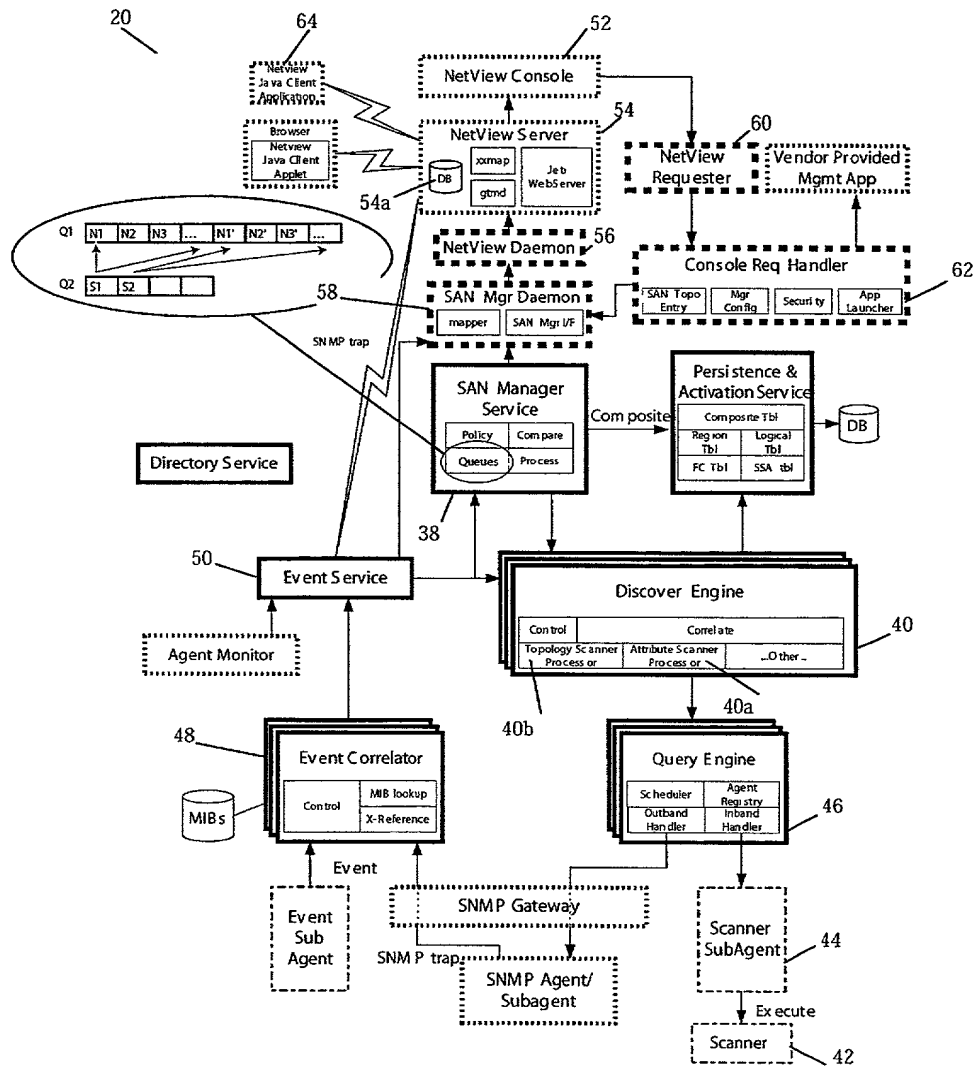


Figure 6

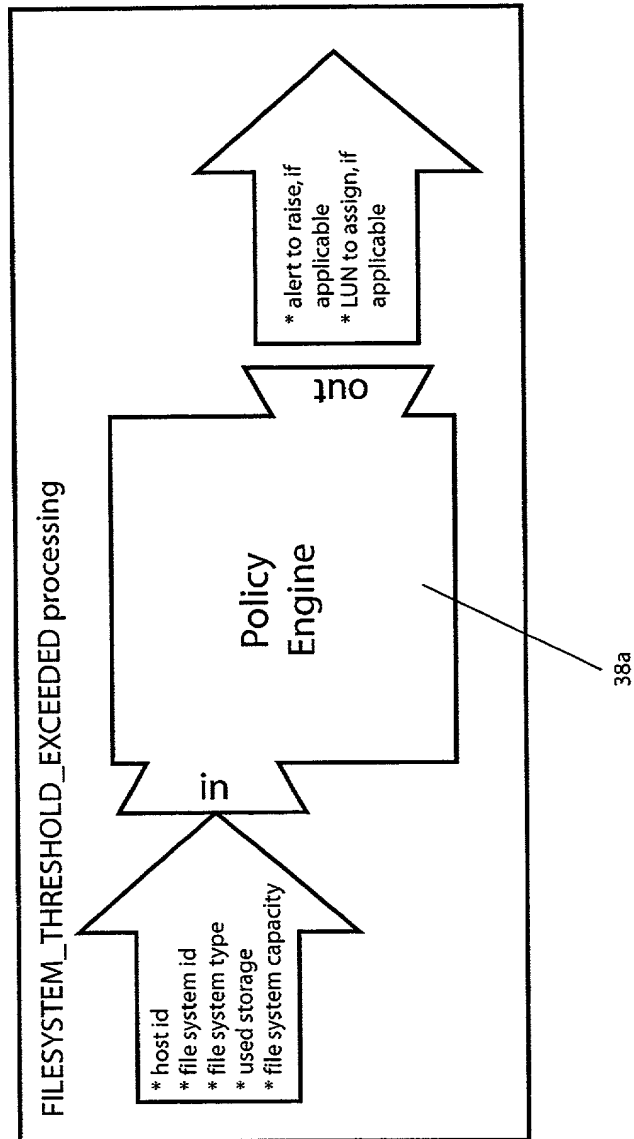


Figure 7A

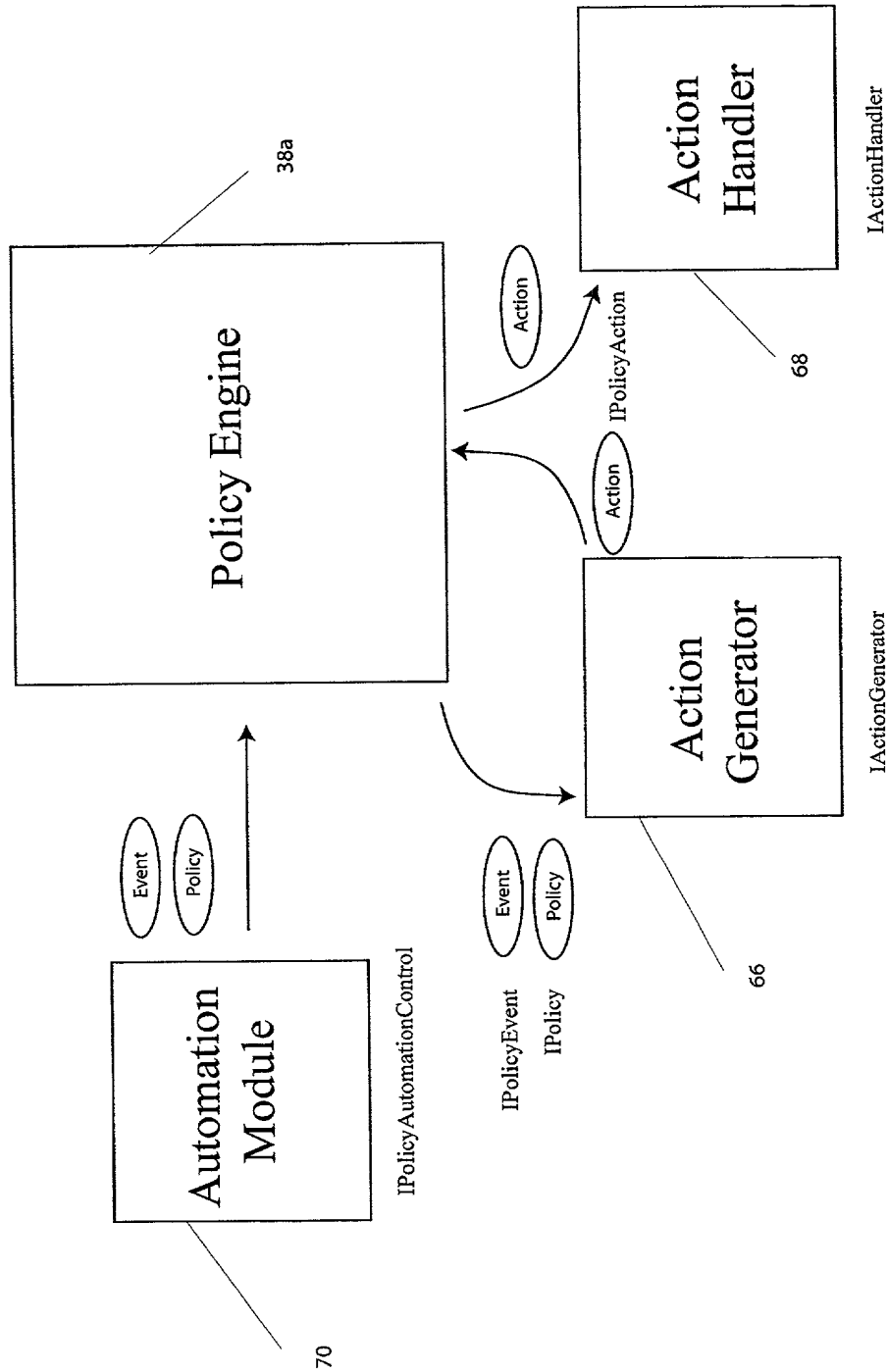


Figure 7B



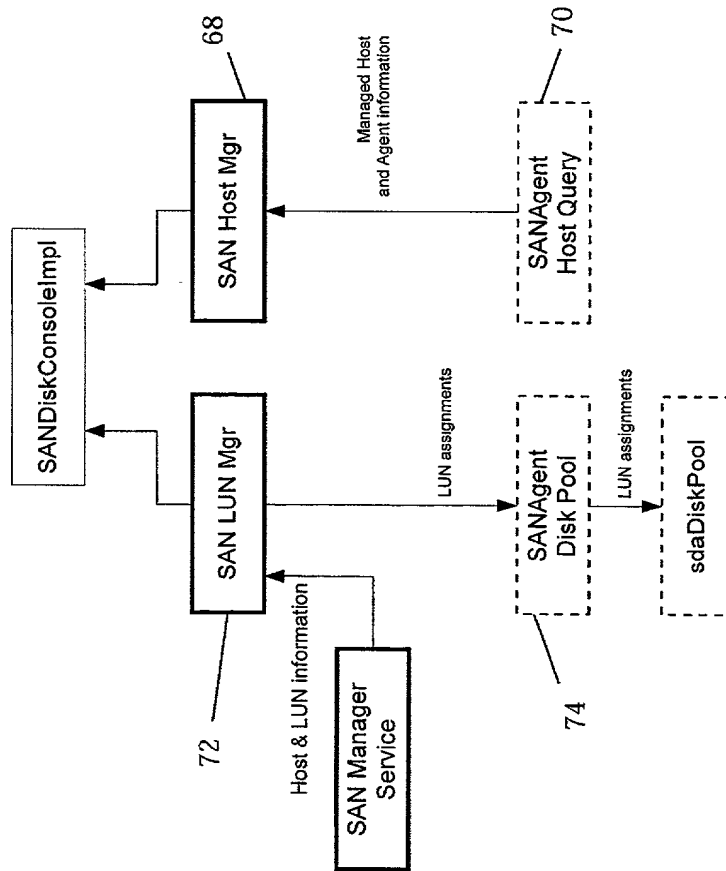


Figure 8

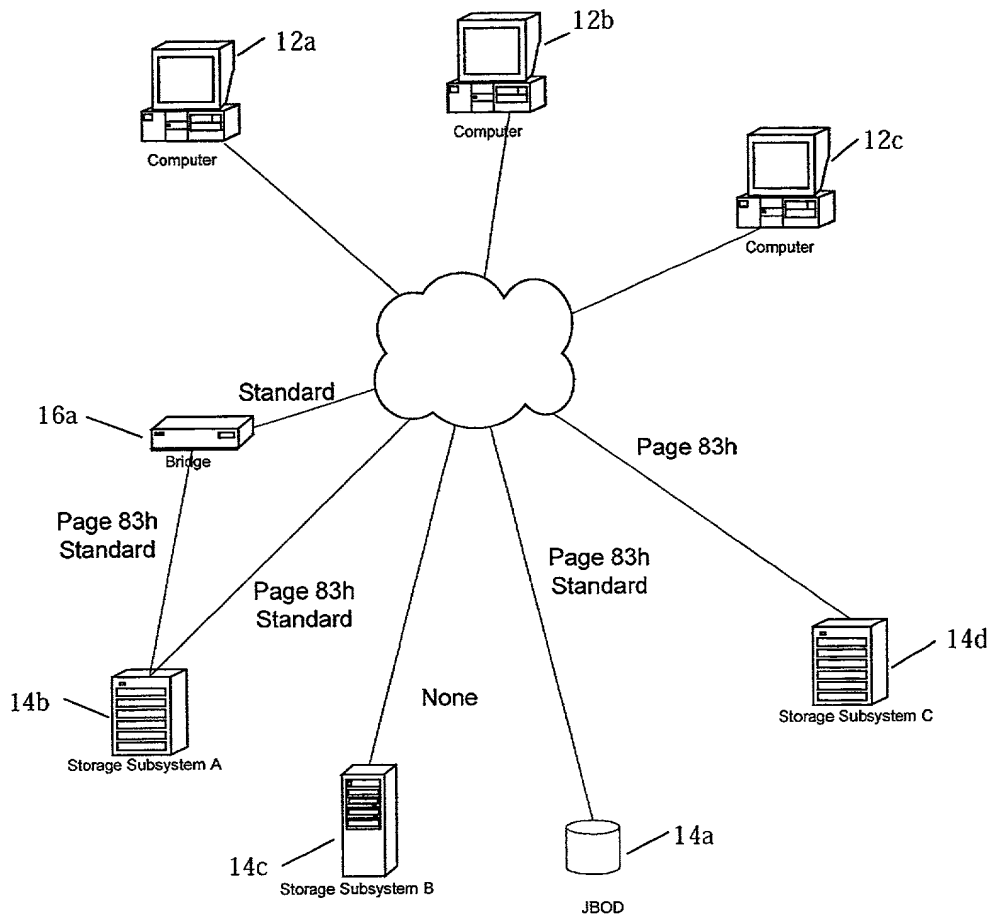
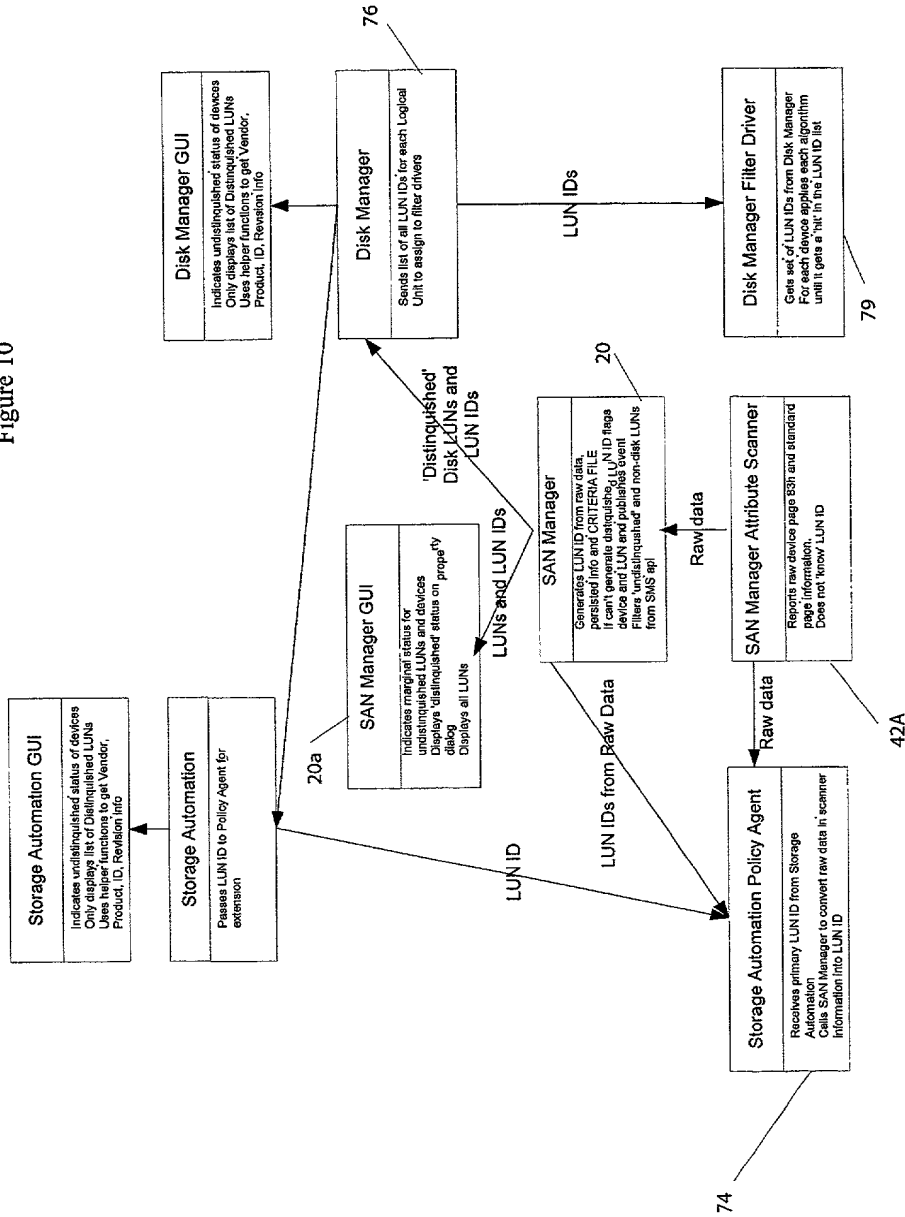


Figure 9

Figure 10



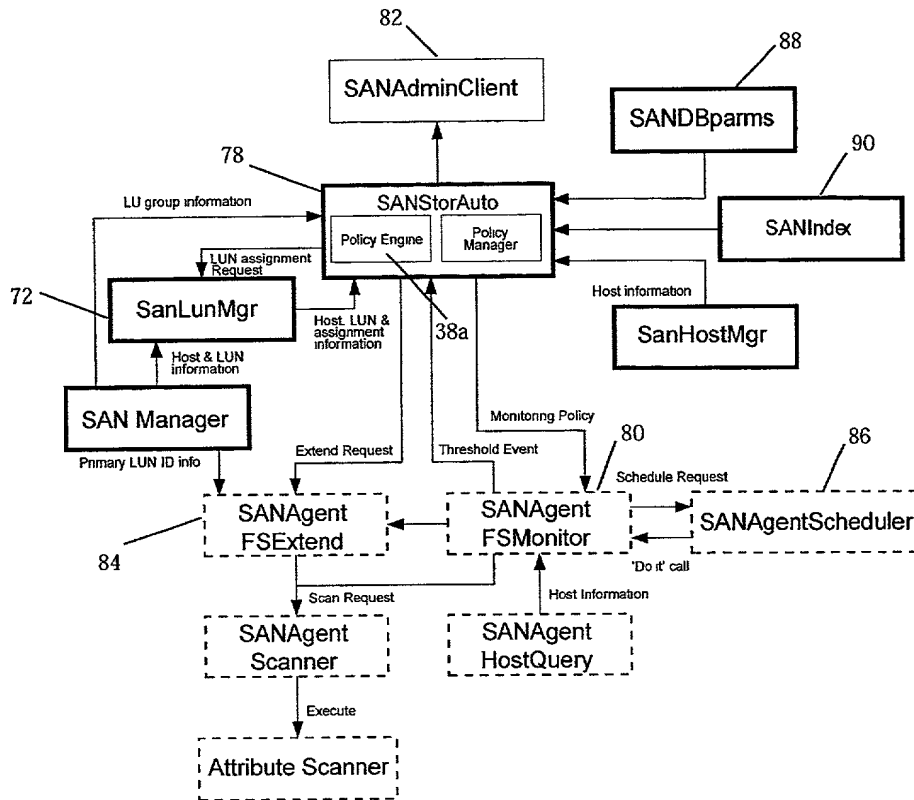


Figure 11

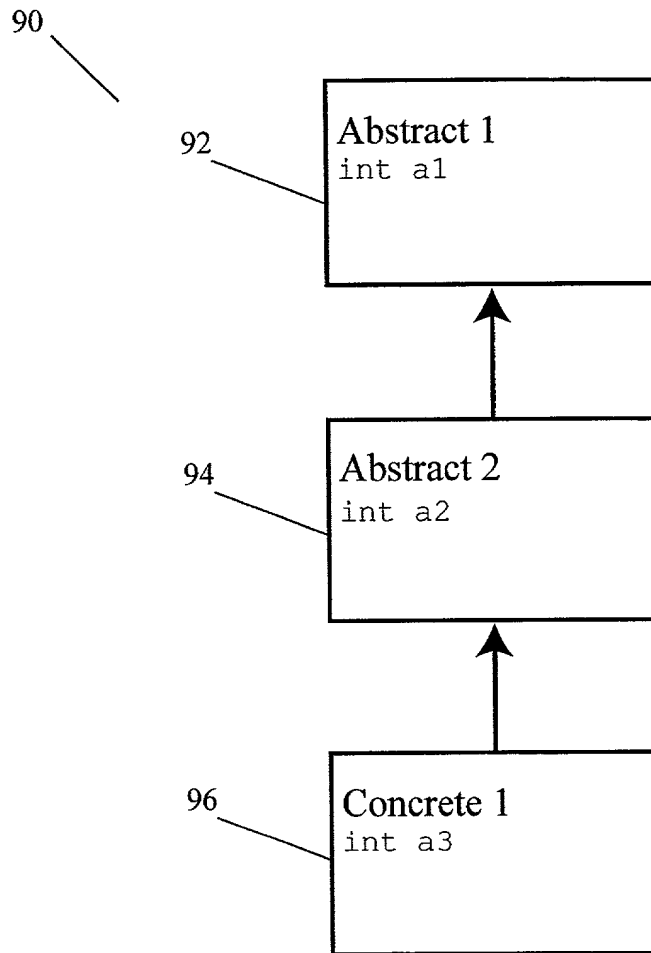


Figure 12

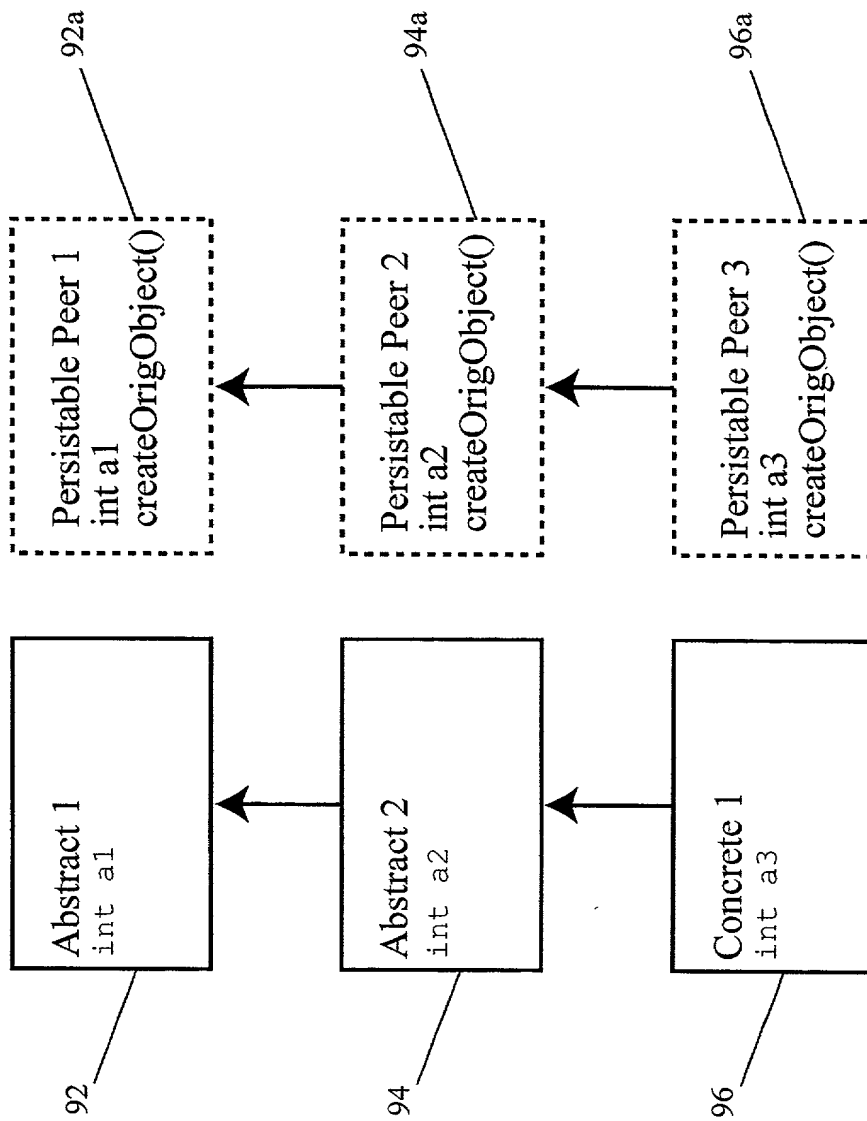


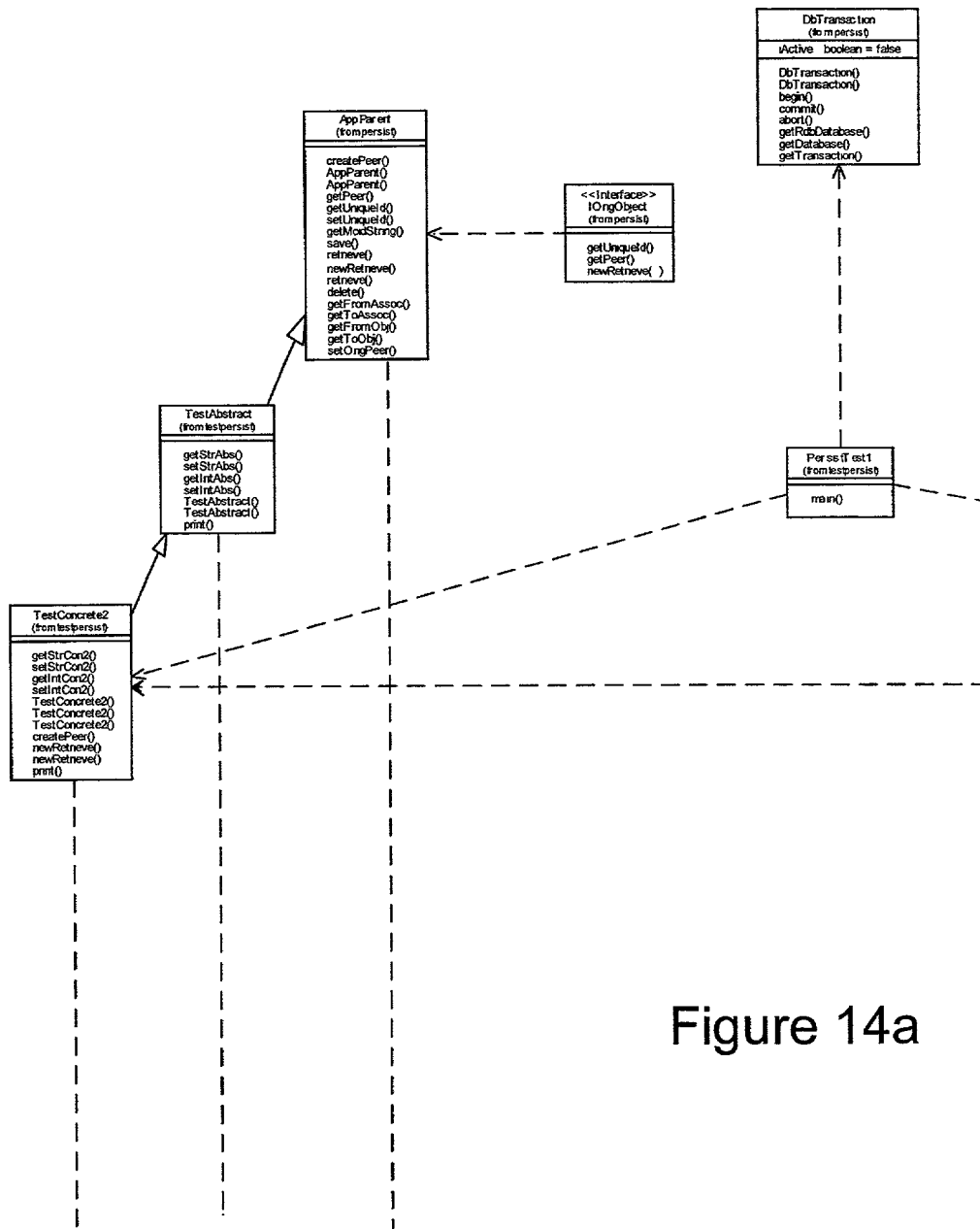
Figure 13

Figure 14a

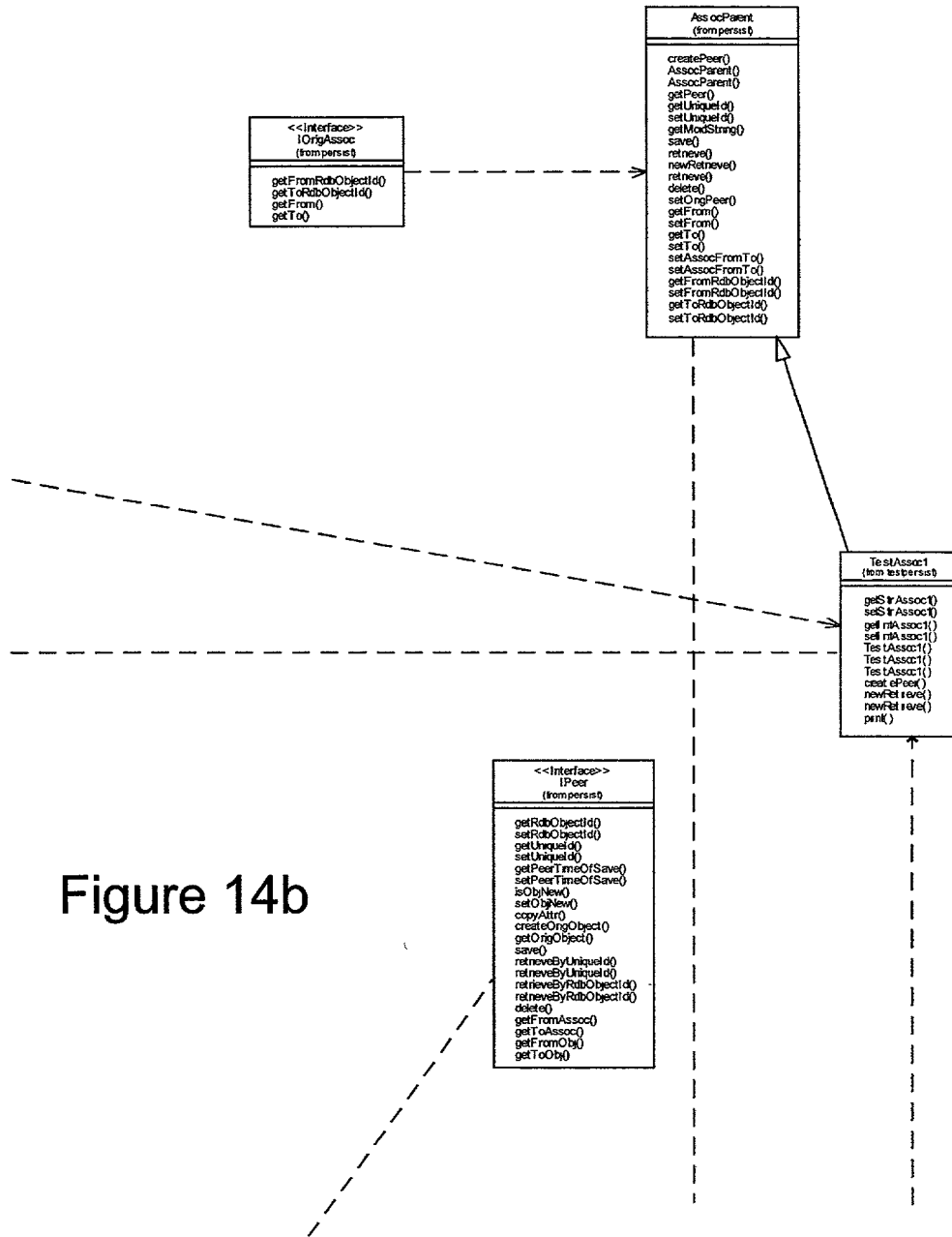
Figure 14b

Figure 14c

Figure 14d







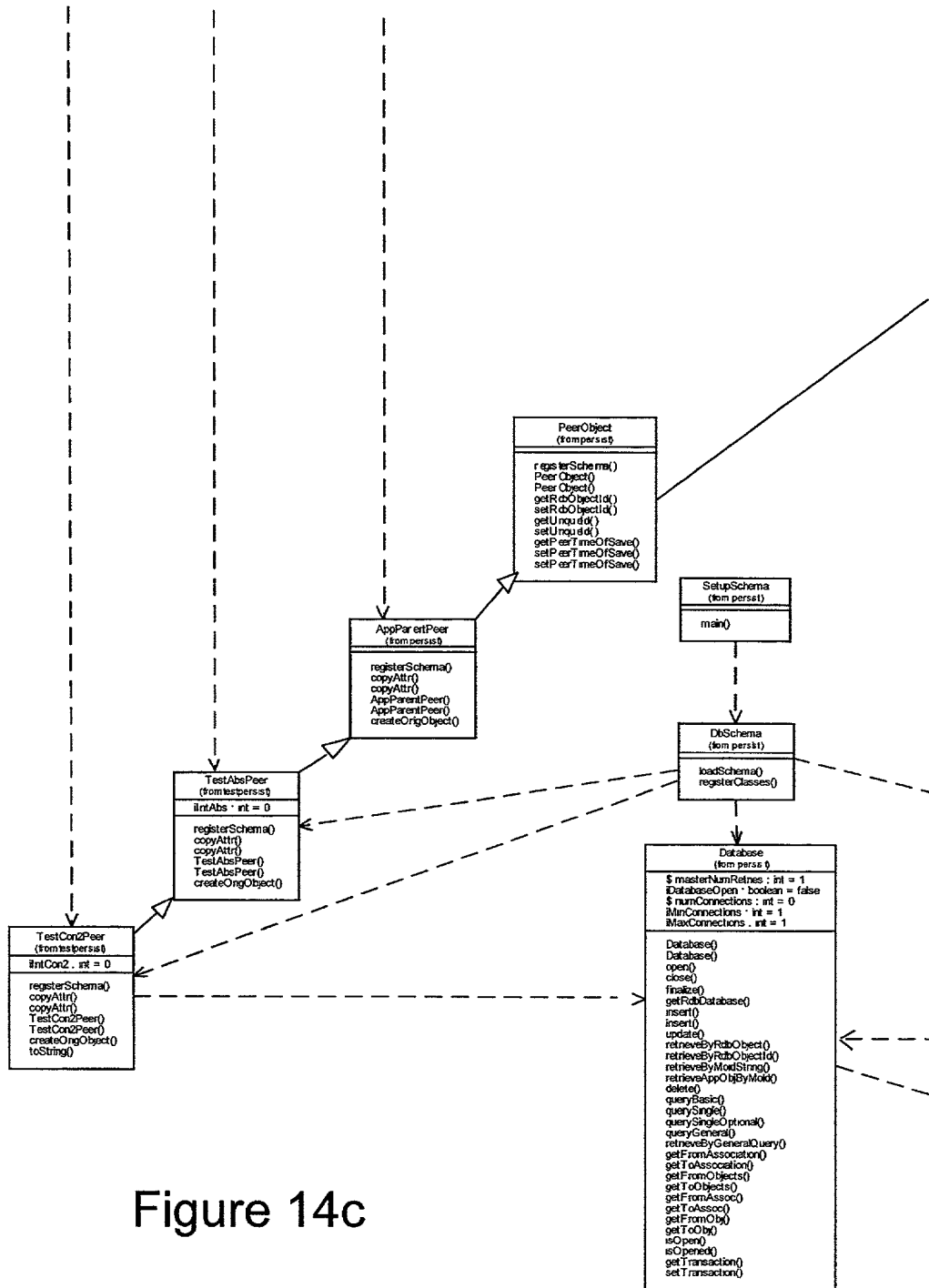


Figure 14c

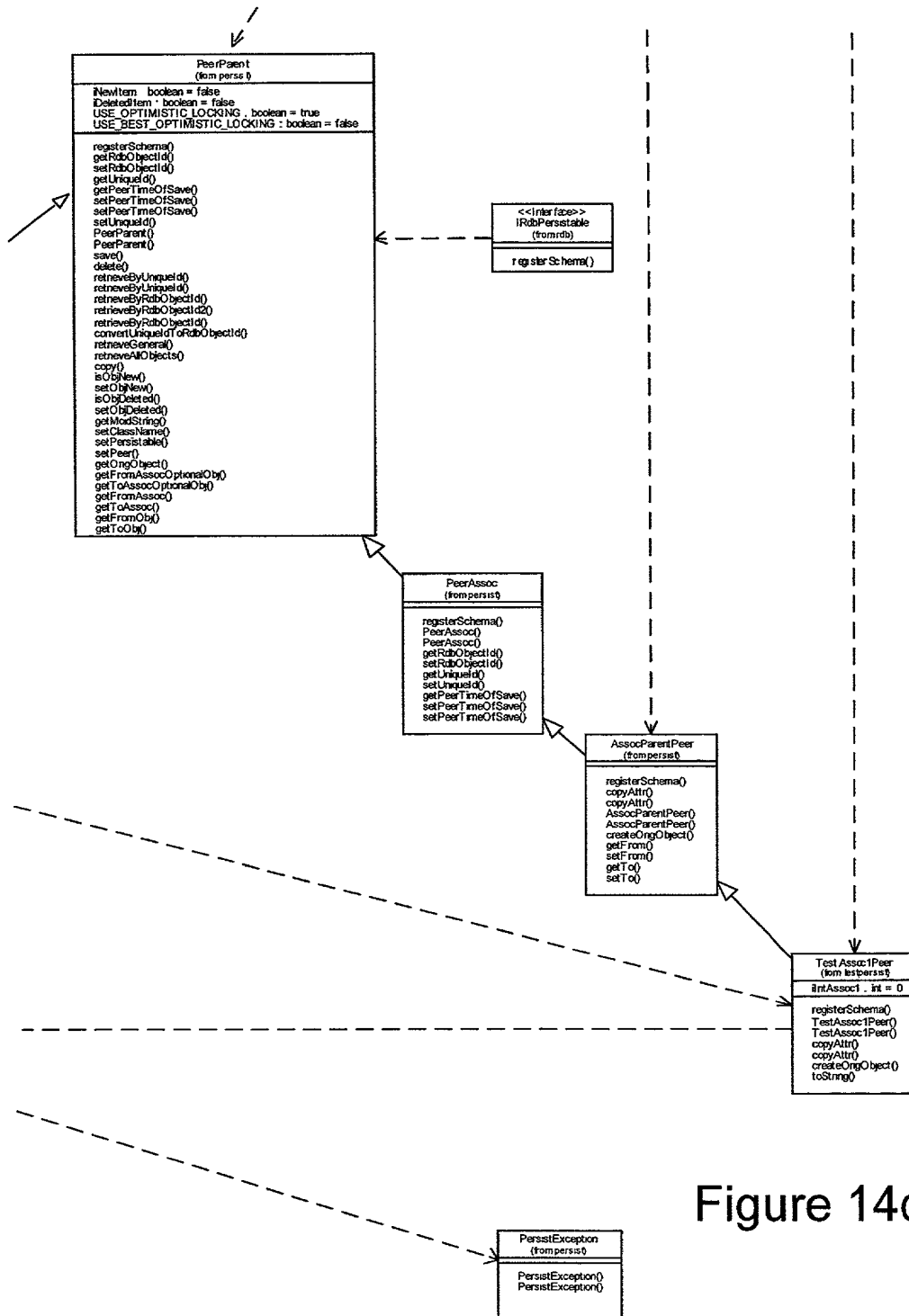
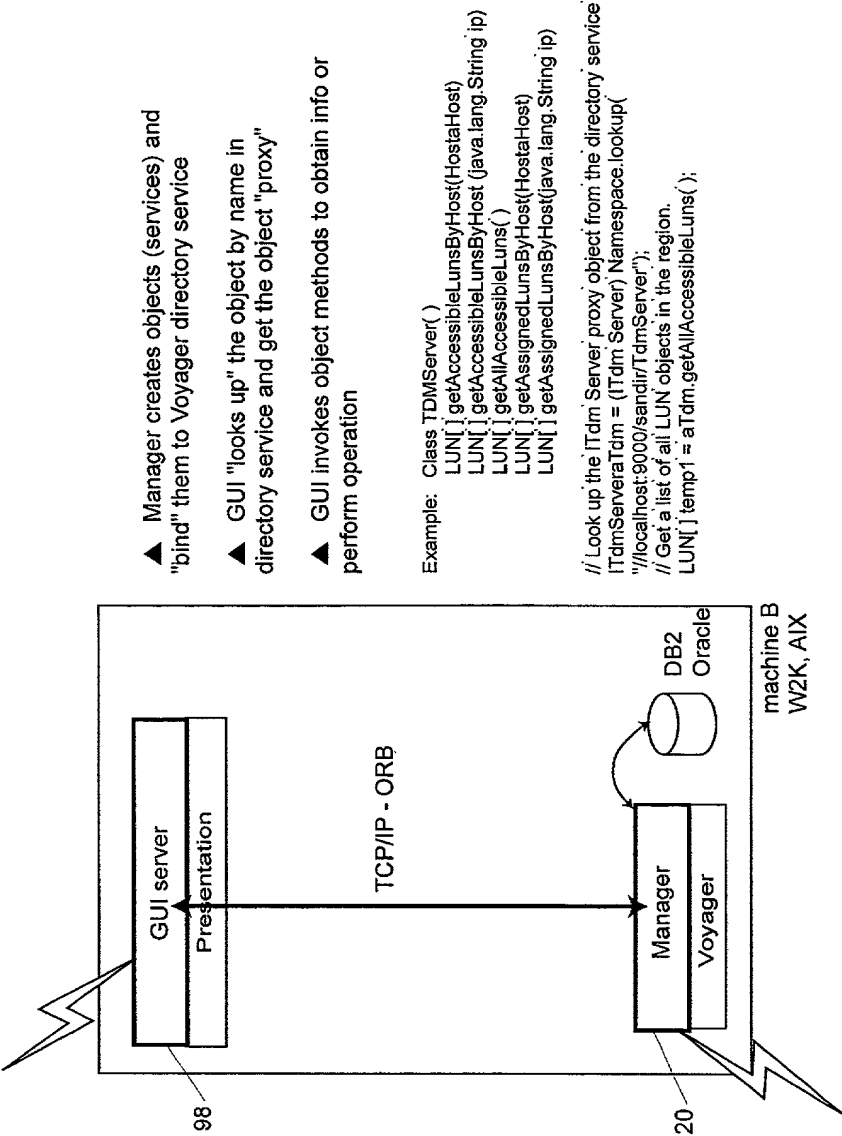


Figure 14d

GUI (server) & Manager communication



- ▲ Manager creates objects (services) and "bind" them to Voyager directory service
- ▲ GUI "looks up" the object by name in directory service and get the object "proxy"
- ▲ GUI invokes object methods to obtain info or perform operation

Example: Class TDMServer()  
LUN[] getAccessibleLunsByHost(HostaHost)  
LUN[] getAccessibleLunsByHost (java.lang.String ip)  
LUN[] getAllAccessibleLuns()  
LUN[] getAssignedLunsByHost(HostaHost)  
LUN[] getAssignedLunsByHost(java.lang.String ip)

// Look up the Tdm Server proxy object from the directory service  
ITdmServeraTdm = (ITdm Server) Namespace.lookup(  
"//localhost:9000/sandir/TdmServer");  
// Get a list of all LUN objects in the region.  
LUN[] temp1 = aTdm.getAllAccessibleLuns();

Figure 15

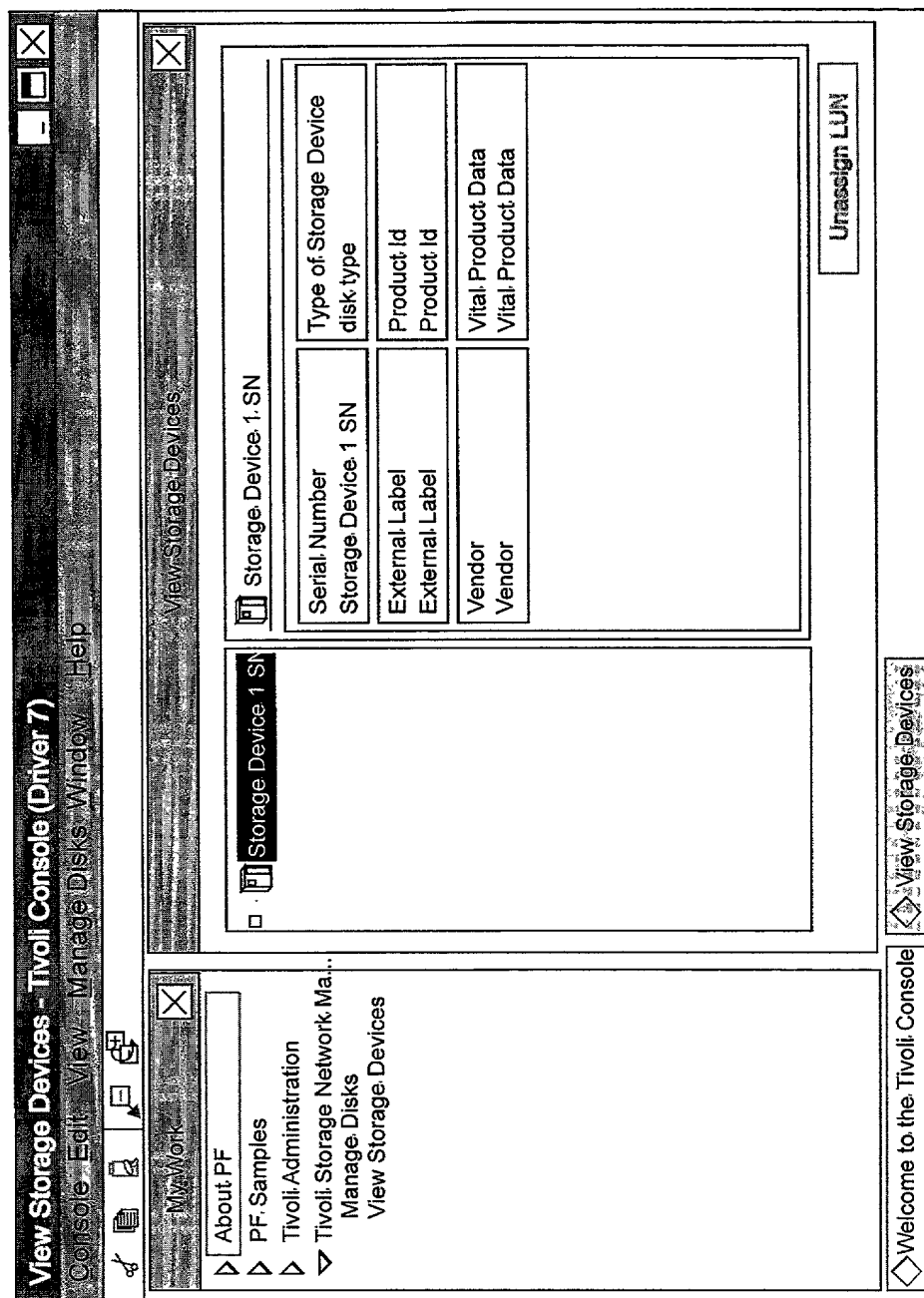


Figure 16

100

102

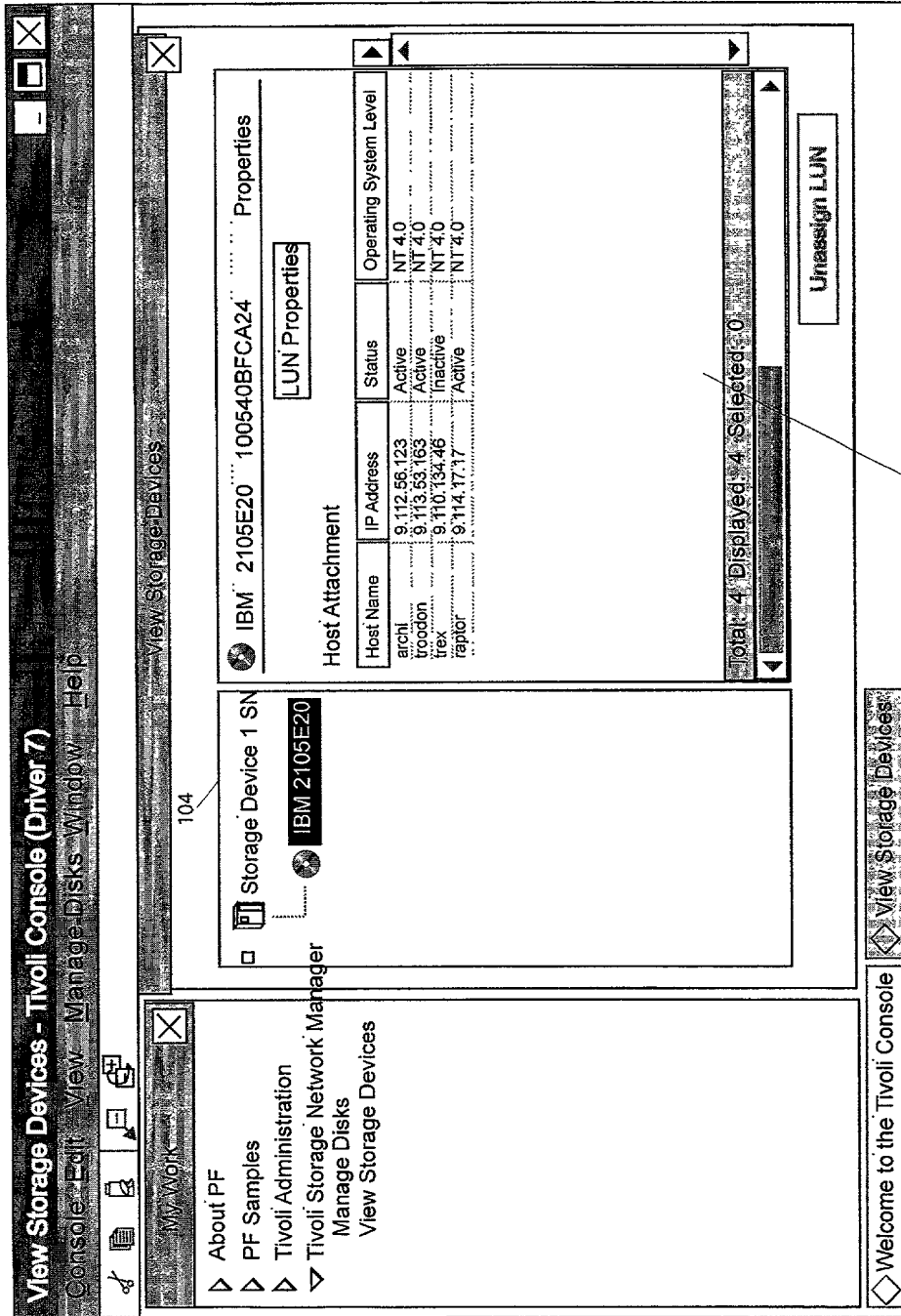


Figure 17

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**Manage Disks - Tivoli Console (Driver 7)**

Console Edit View Manage Disks Window Help

Host IP Address is 9.112.56.123

archi Properties

Accessible LUNs

Capacity in MBs	Vendor	Product	Revision	Unit Number	Status	Assigned To
4875	UNISYS	008073ST191	1901	LAC66200		
10500	UNISYS	008073ST191	1901	LAD88380		
22345	IBM	2105E20	1005	40BFC A20		
22345	IBM	2105E20	1005	40CFC A20		
22345	IBM	2105E20	1005	40BFC A34		
22345	IBM	2105E20	1005	40BFC A34		
22345	IBM	2105E20	1005	40DFC A34		
22345	IBM	2105E20	1005	40CFC A25		
8520	EMC	SYMMETRIX	5265	37012720Z		
4875	EMC	SYMMETRIX	5265	37028720Z		
4875	SEAGATE	ST1871FC	CC95	EAM14520		
10500	UNISYS	39.BYTES.LO	901L	AC66203	Assigned	
22345	IBM	2105E20	1005	40BFC A24	Assigned	
22345	IBM	2105E20	1005	40CFC A24	Unassign P	
8520	EMC	SYMMETRIX	5265	37012720C	Assigned	

Total 19 Displayed, 19 Selected, 0

Assign LUN Unassign LUN Reassign LUN

Manage Disks

View Storage Devices

Welcome to the Tivoli Console

112a 112b 112c 112d

110

114

Figure 18

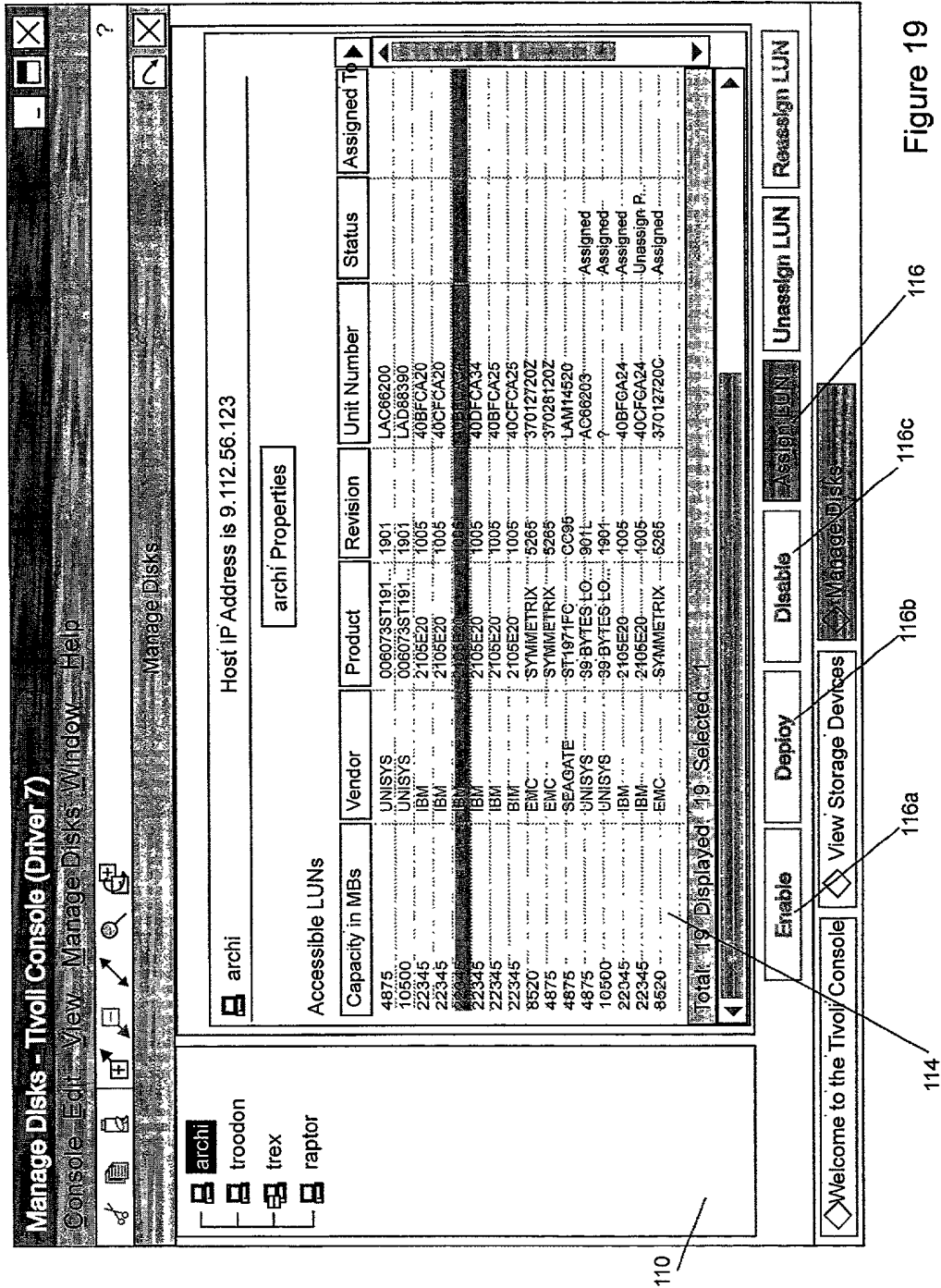


Figure 19



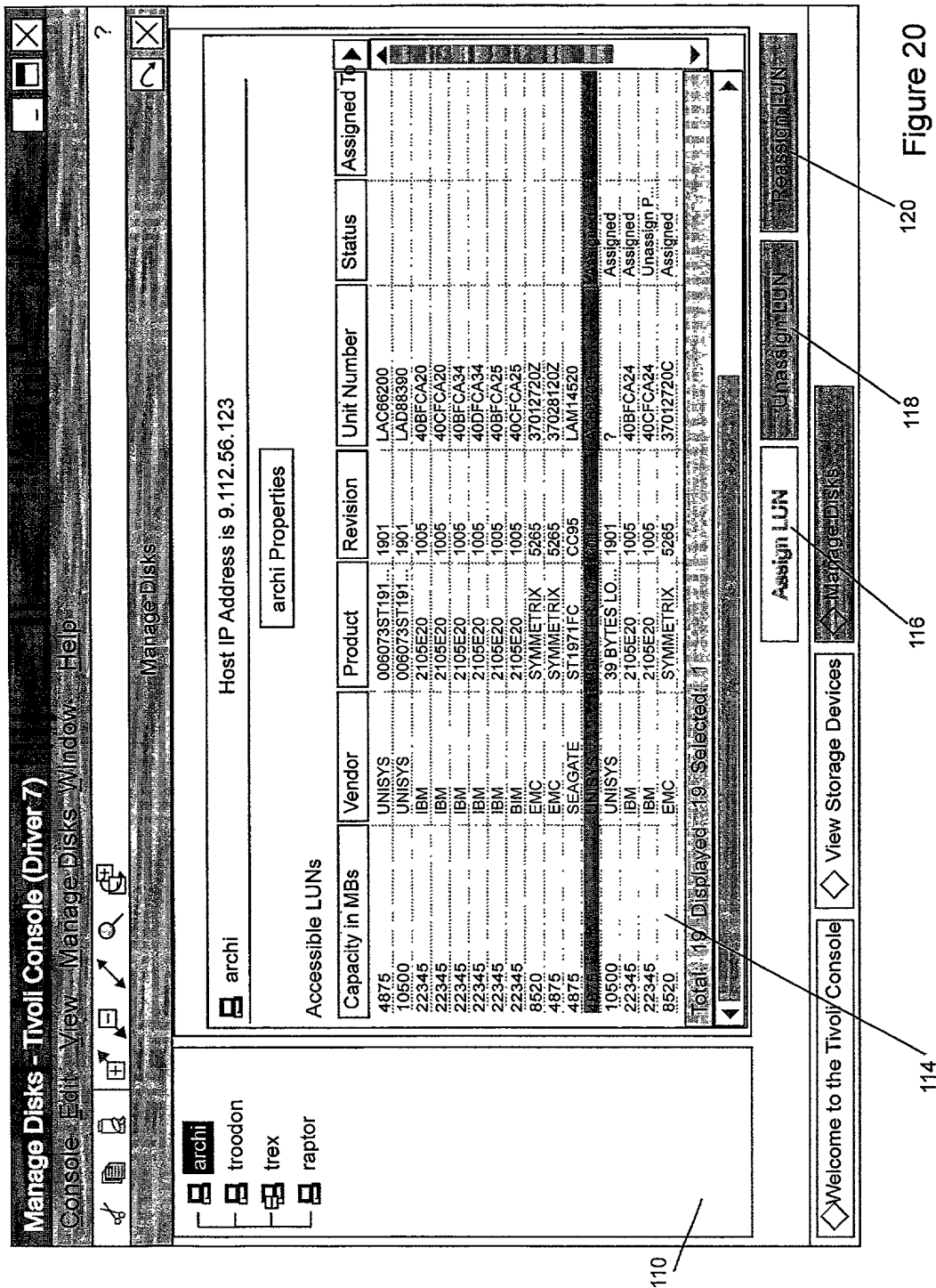
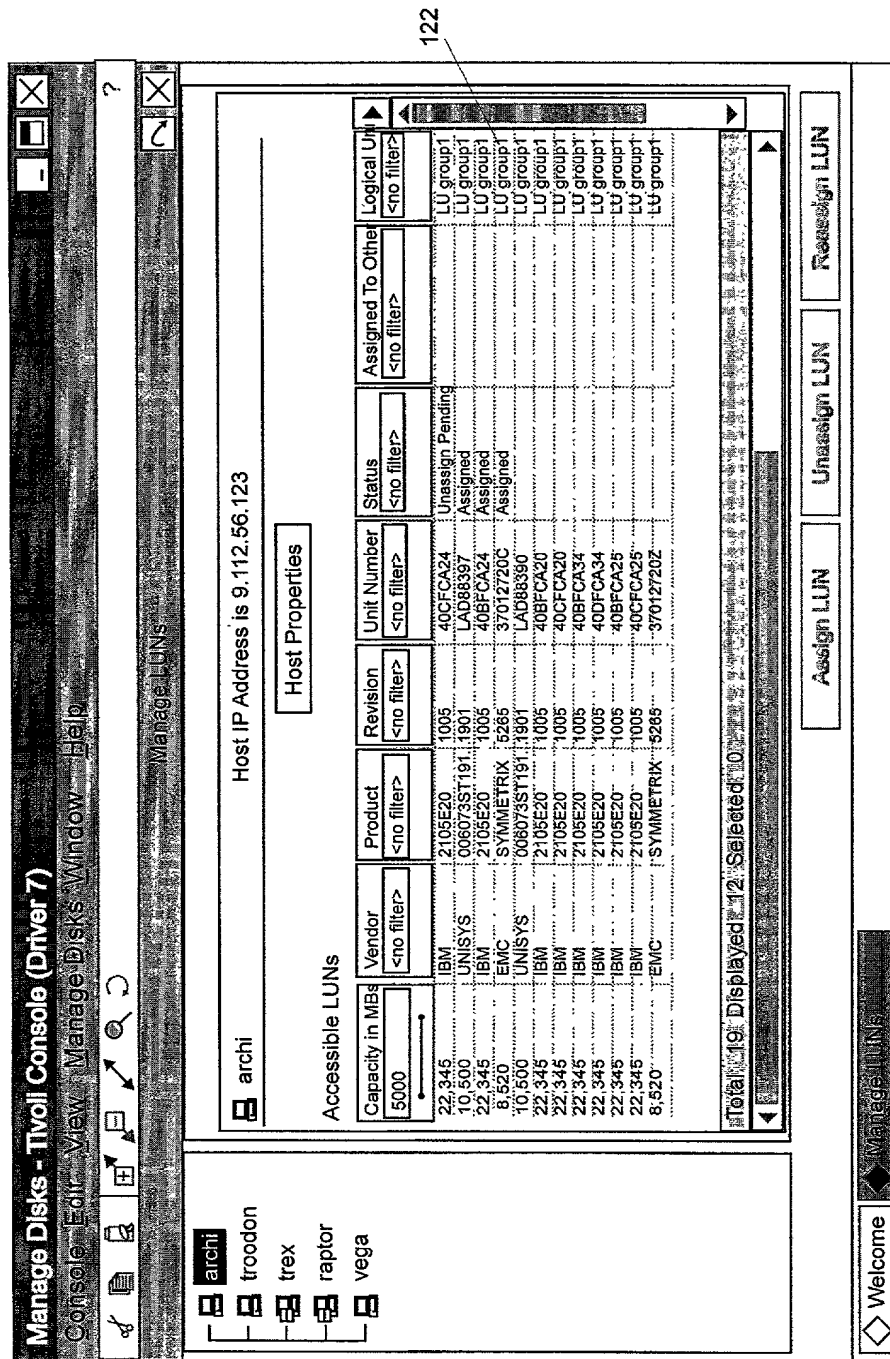


Figure 20



## Figure 21

# Custom Filtering

**Manage Disks - Tivoli Console (Driver 7)**  
 Console Edit View Manage Disks Window Help

archi troodon trex raptor vega

Host IP Address is 9.112.56.123

Host Properties

Accessible LUNs

Capacity In MBs

At least At most

OK

Unit Number	Status	Assigned To Other	Logical Unit
40CFA24	Unassign Pending	<no filter>	LU group1
LAC86203	Assigned	<no filter>	LU group1
LAD88397	Assigned	<no filter>	LU group1
40BFA24	Assigned	<no filter>	LU group1
37012720C	Assigned	<no filter>	LU group1
37028120C	Assigned	<no filter>	LU group1
37028120C	Assigned	<no filter>	LU group1
LAM14526	Assigned	<no filter>	LU group1
LAC86200	Assigned	<no filter>	LU group1
LAD88390	Assigned	<no filter>	LU group1
40BFA20	Assigned	<no filter>	LU group1
40CFA20	Assigned	<no filter>	LU group1
40BFA34	Assigned	<no filter>	LU group1
40DFA34	Assigned	<no filter>	LU group1
37012720Z	Assigned	<no filter>	LU group1

Total 19 Displayed: 19 Selected: 0

Assign LUN Unassign LUN Reassign LUN

Welcome Manage LUNs

Figure 22

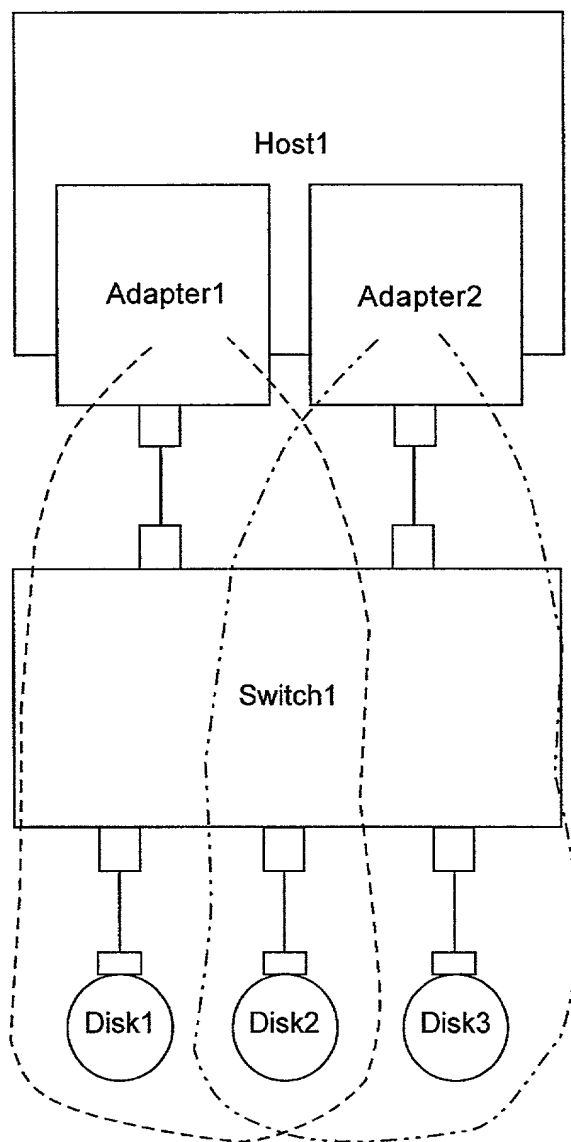


Figure 23

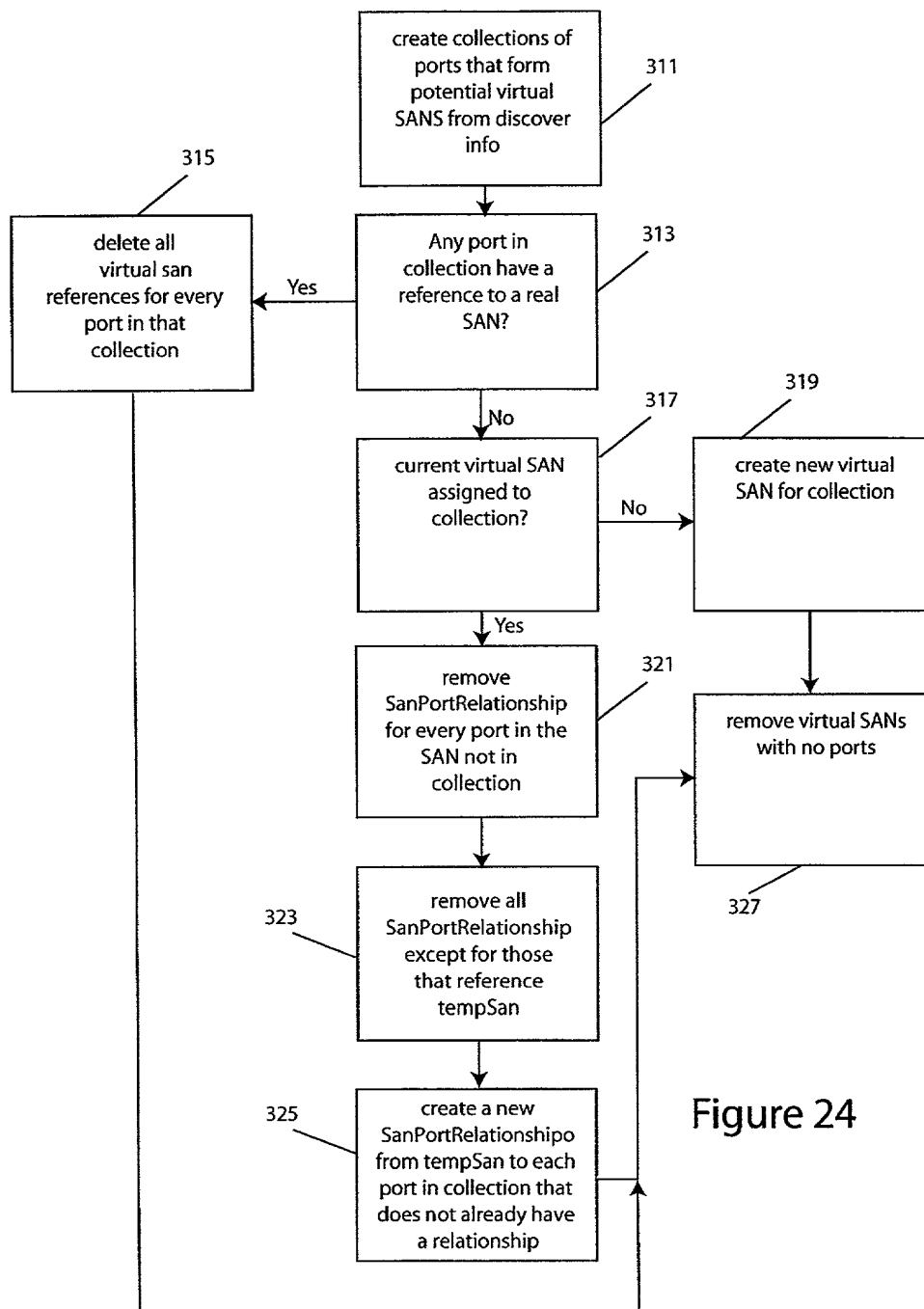


Figure 24

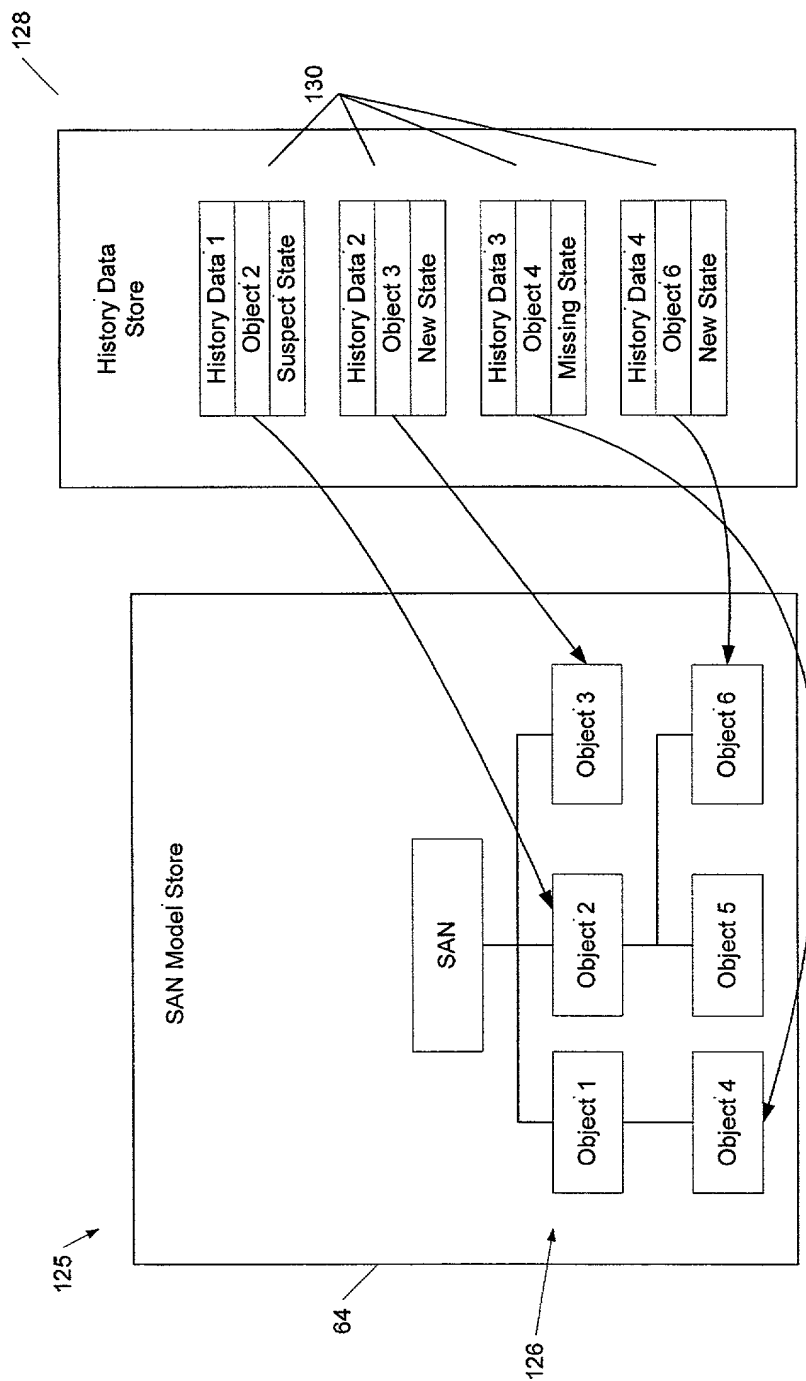


FIGURE 25

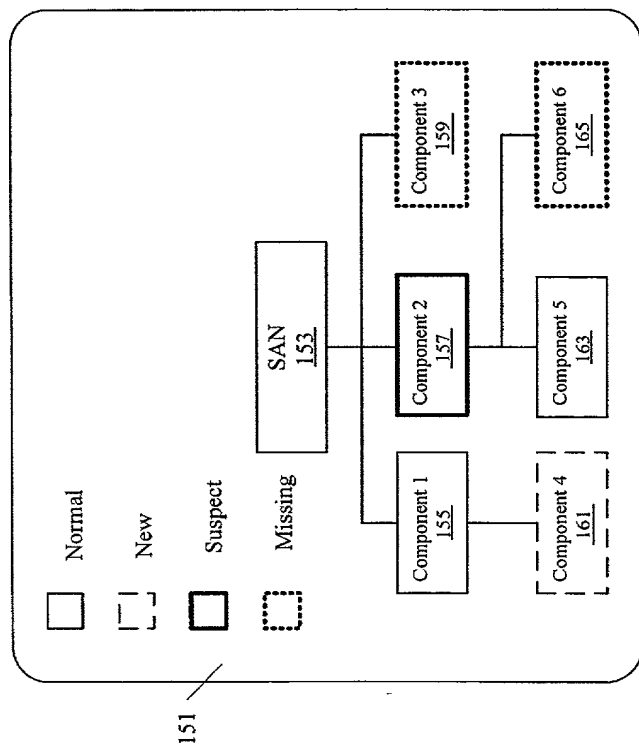


FIGURE 26

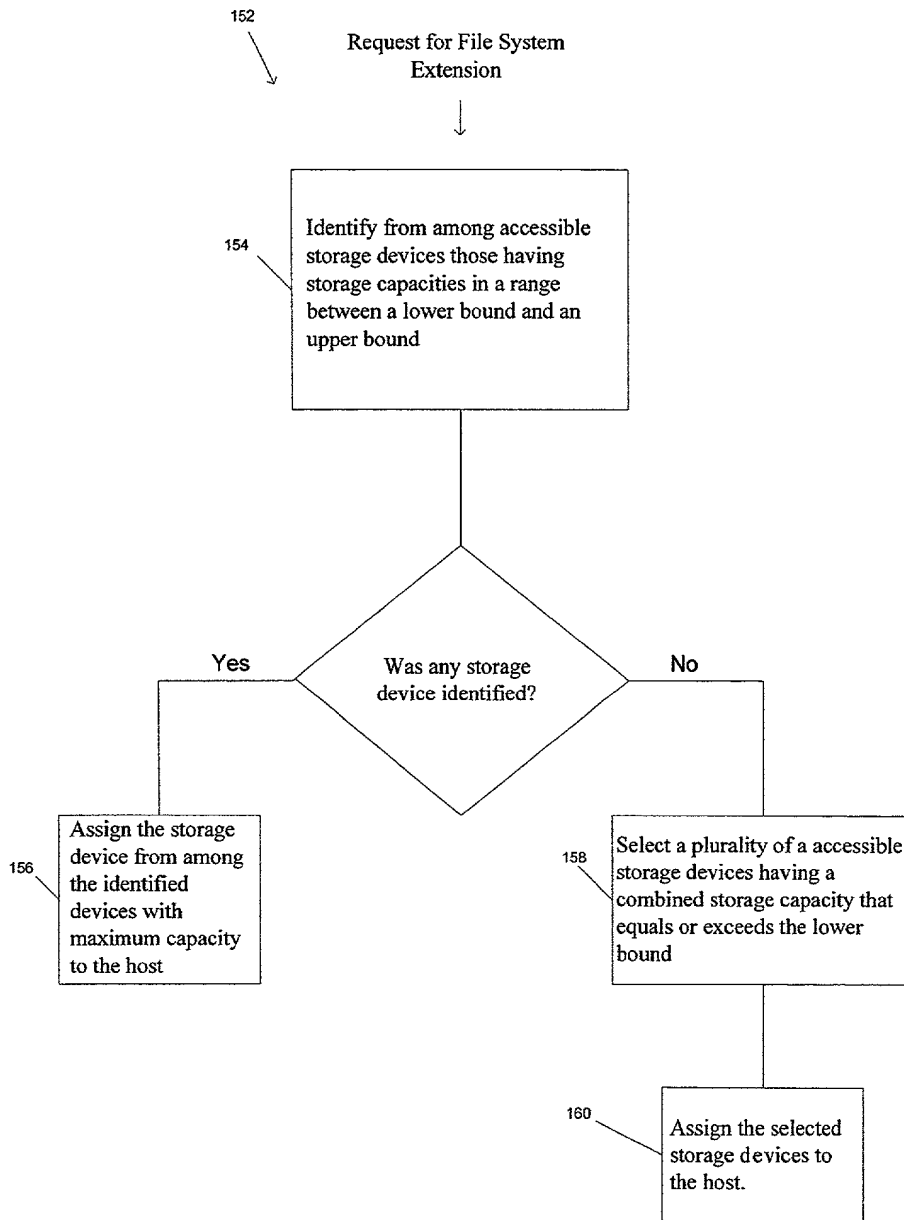


Figure 27



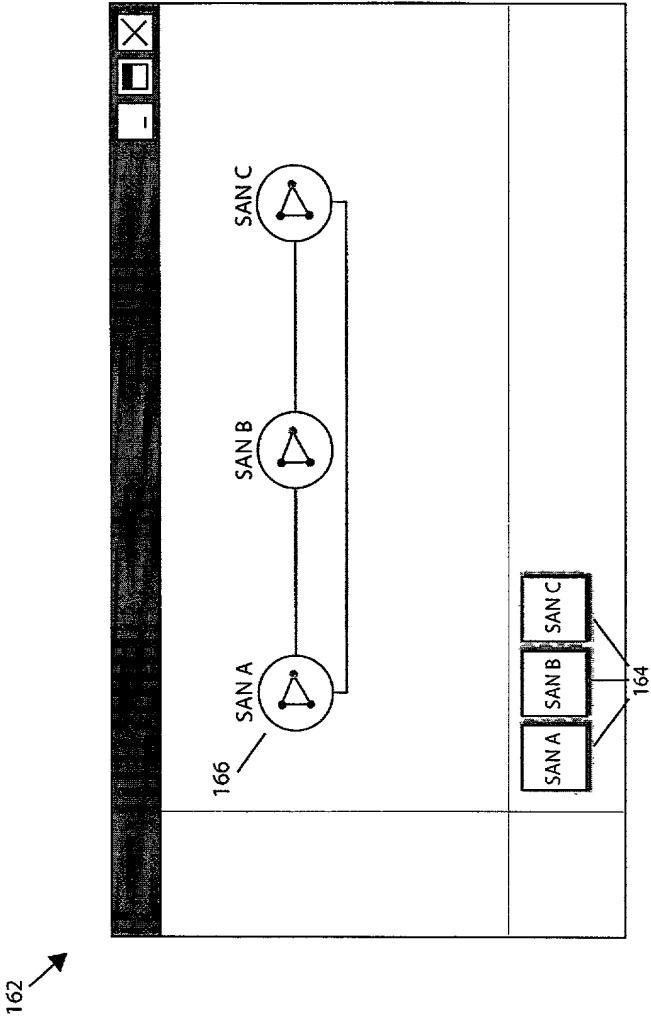


Figure 28

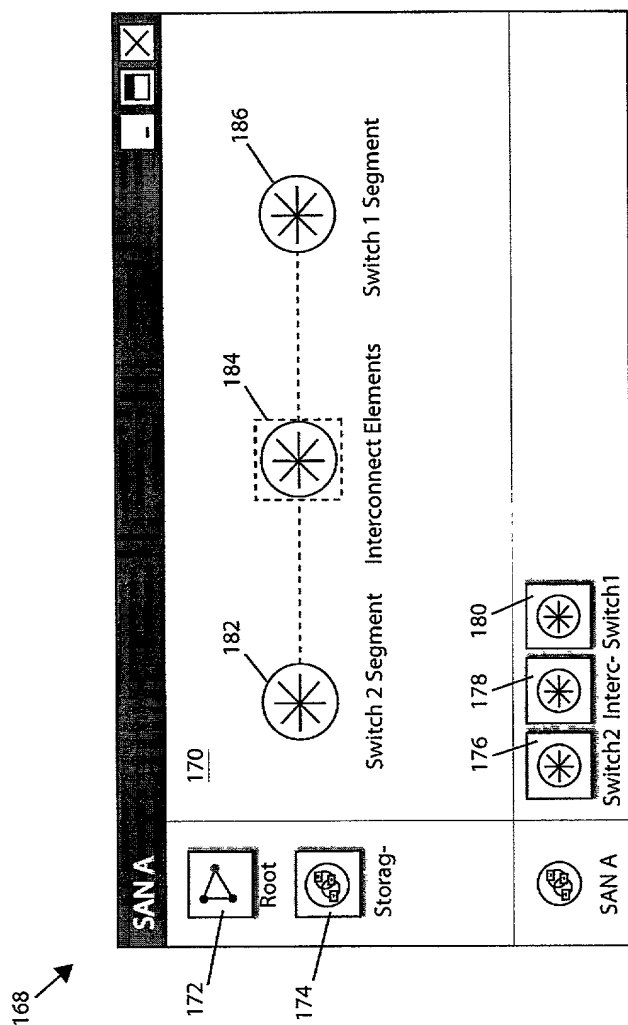


Figure 29

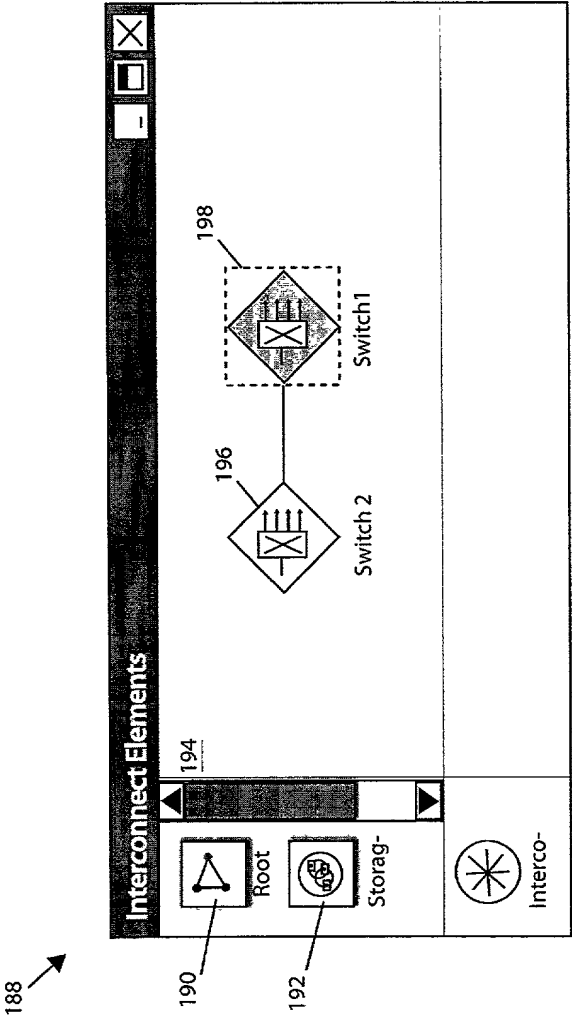


Figure 30

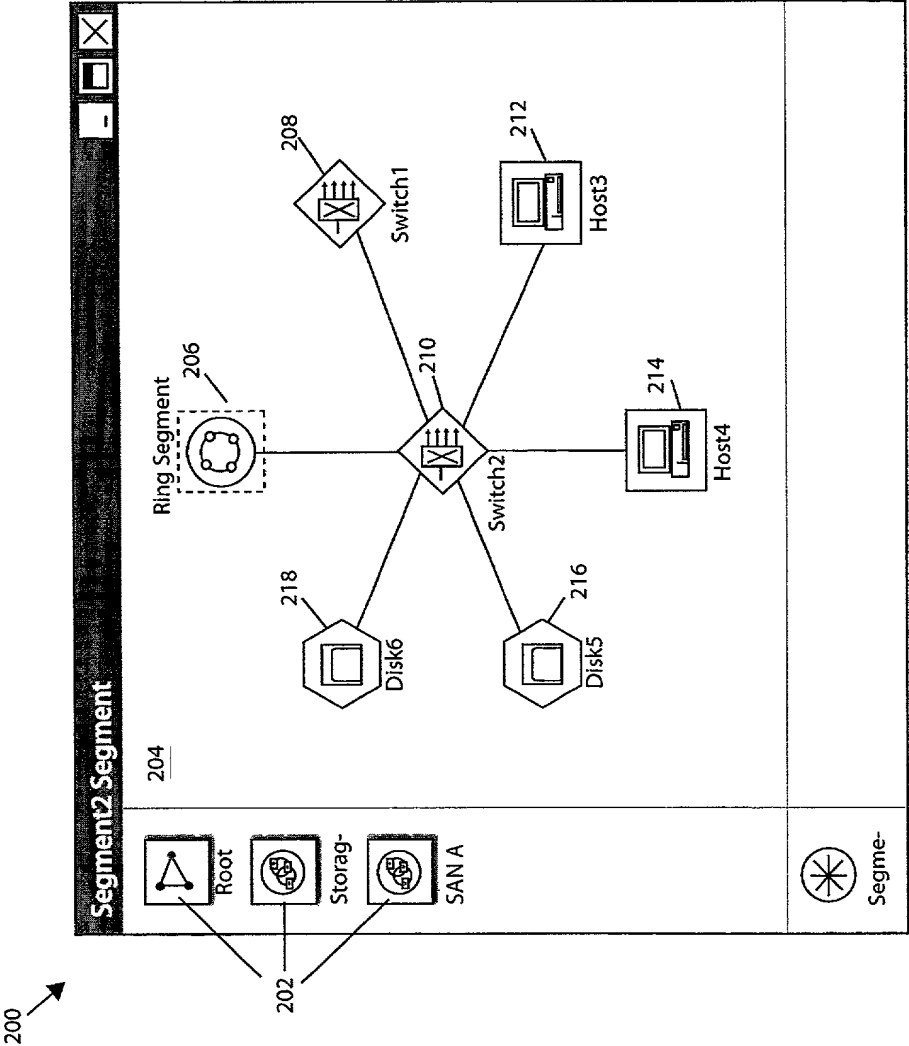


Figure 31

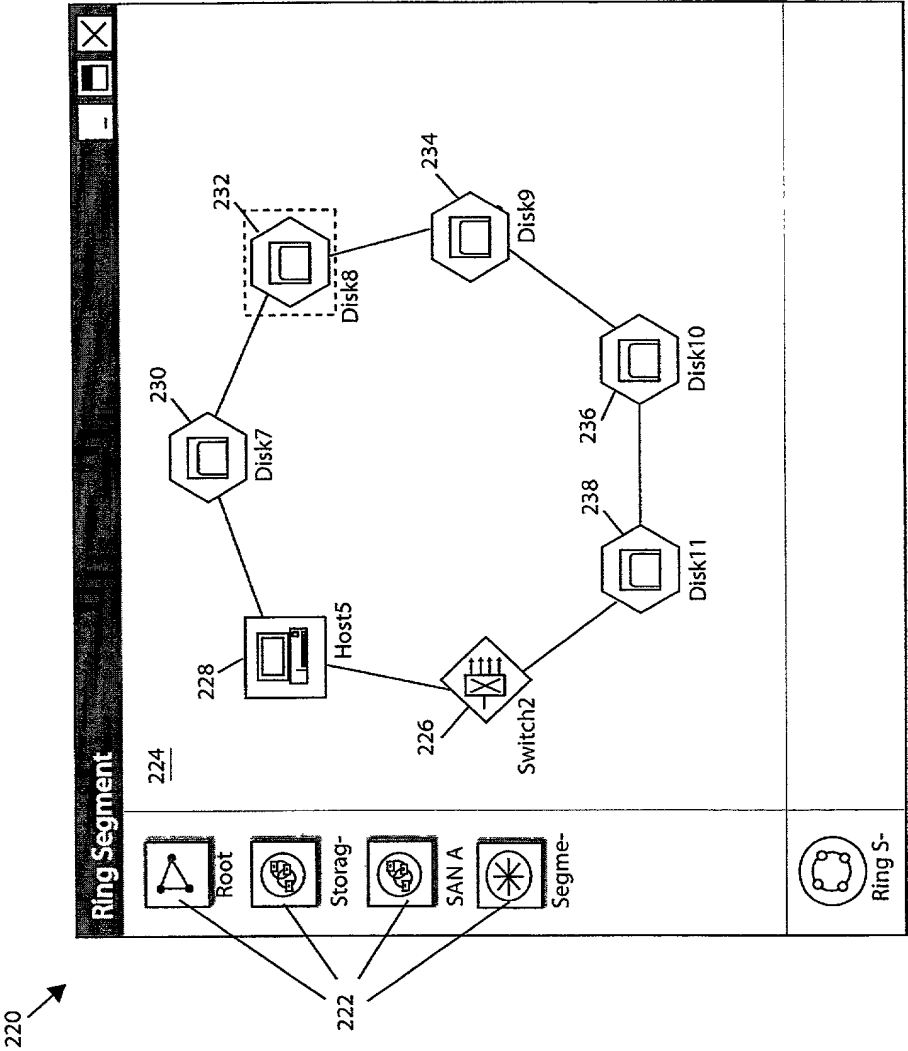
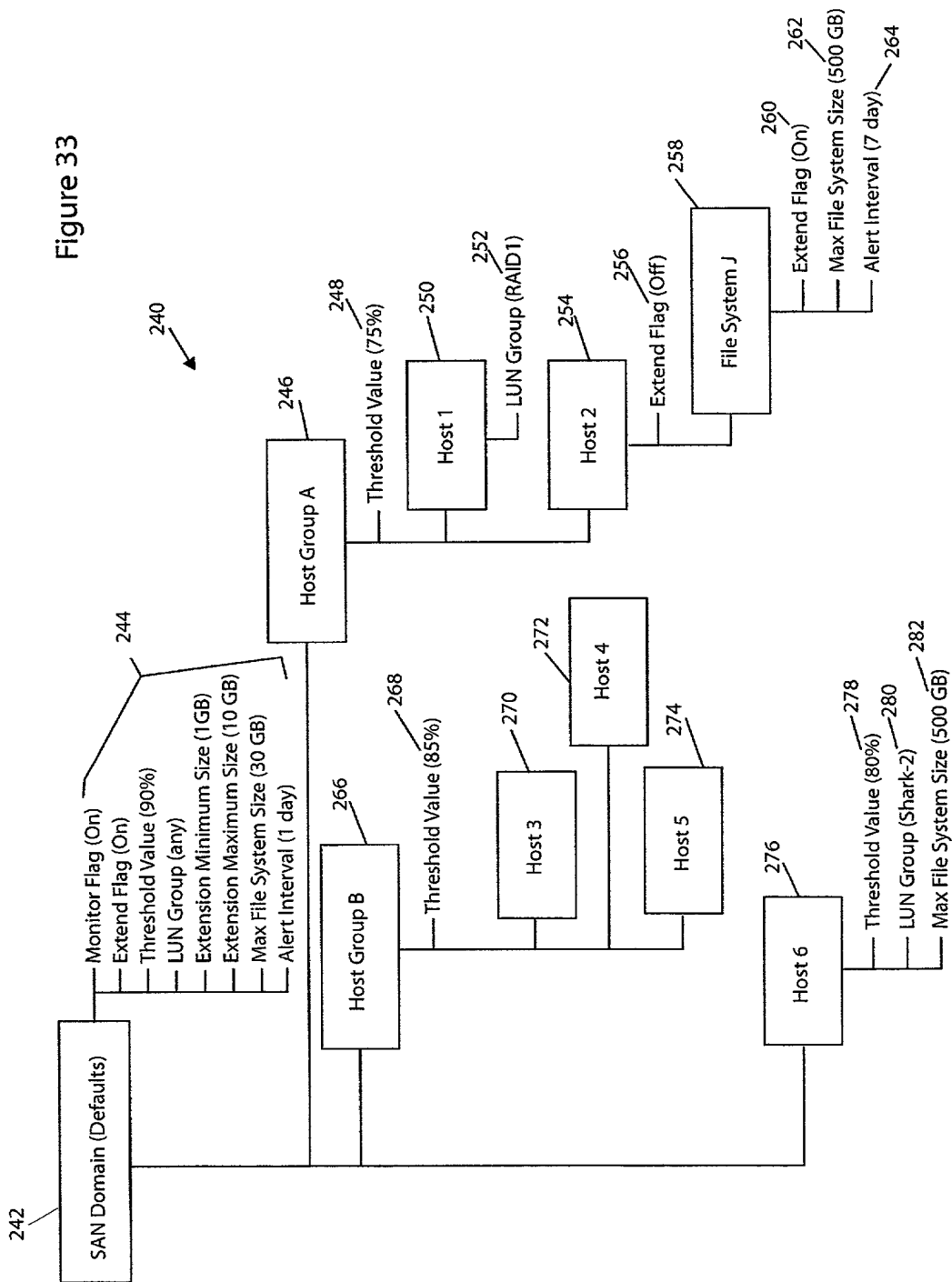


Figure 32



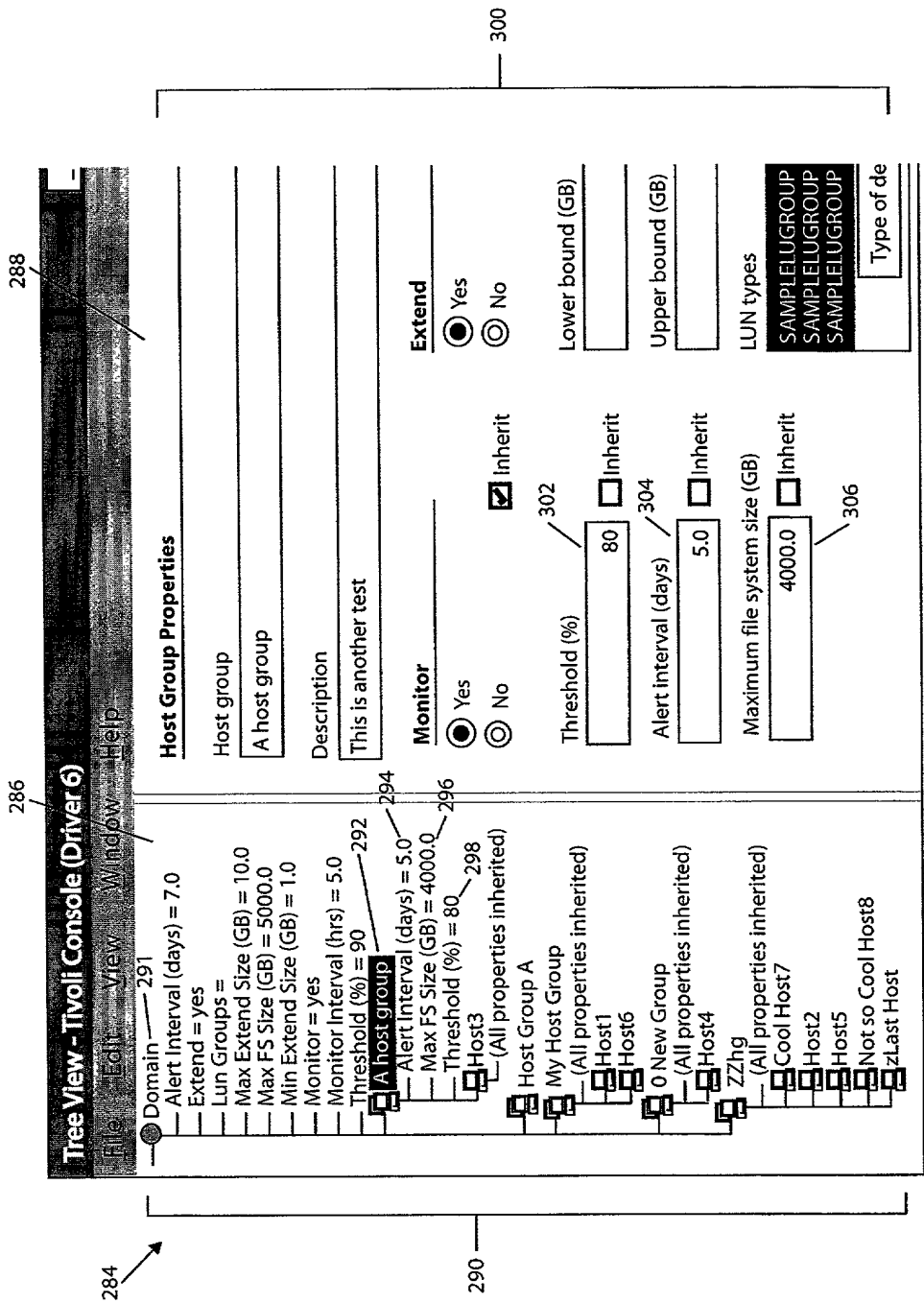
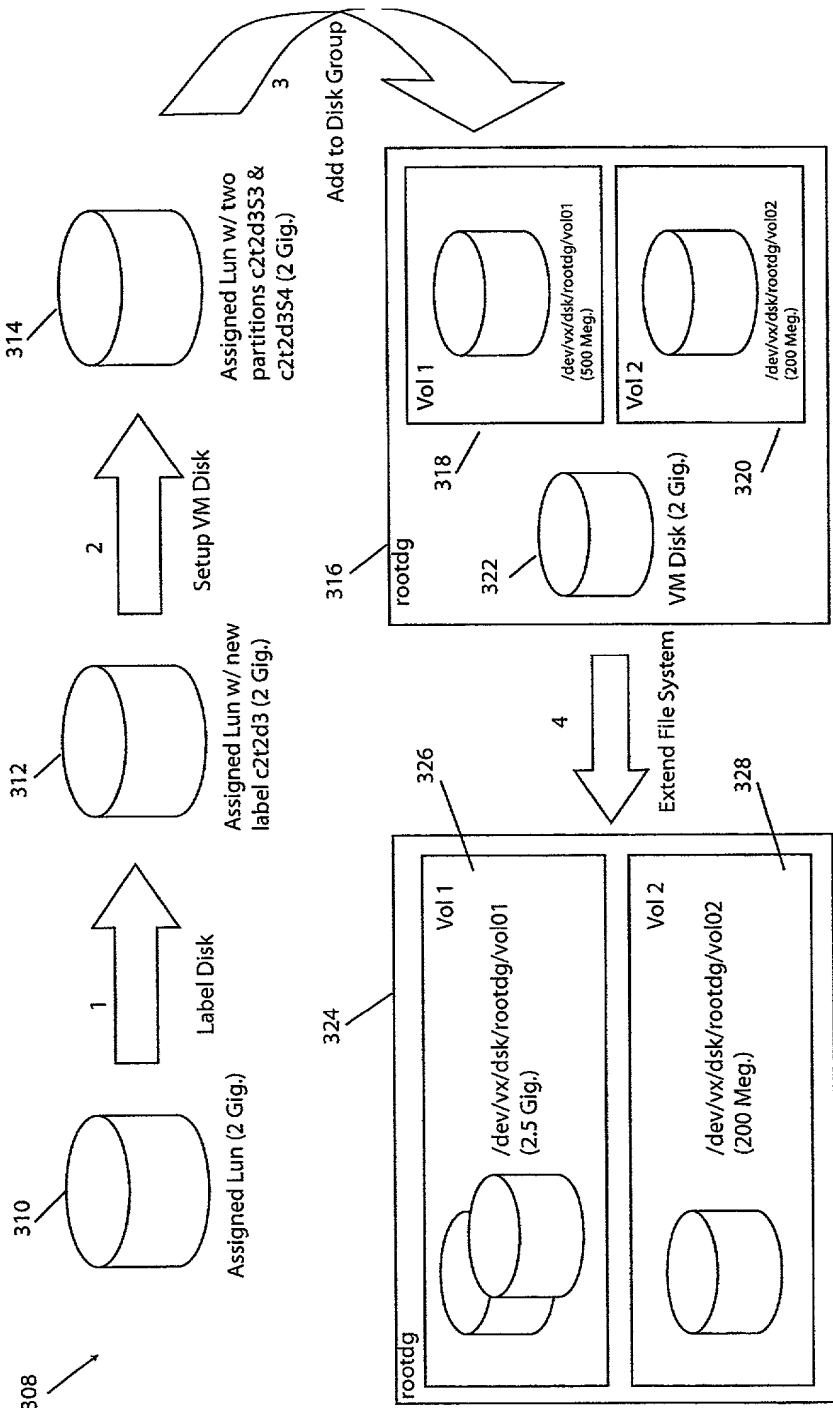


Figure 34

Figure 35





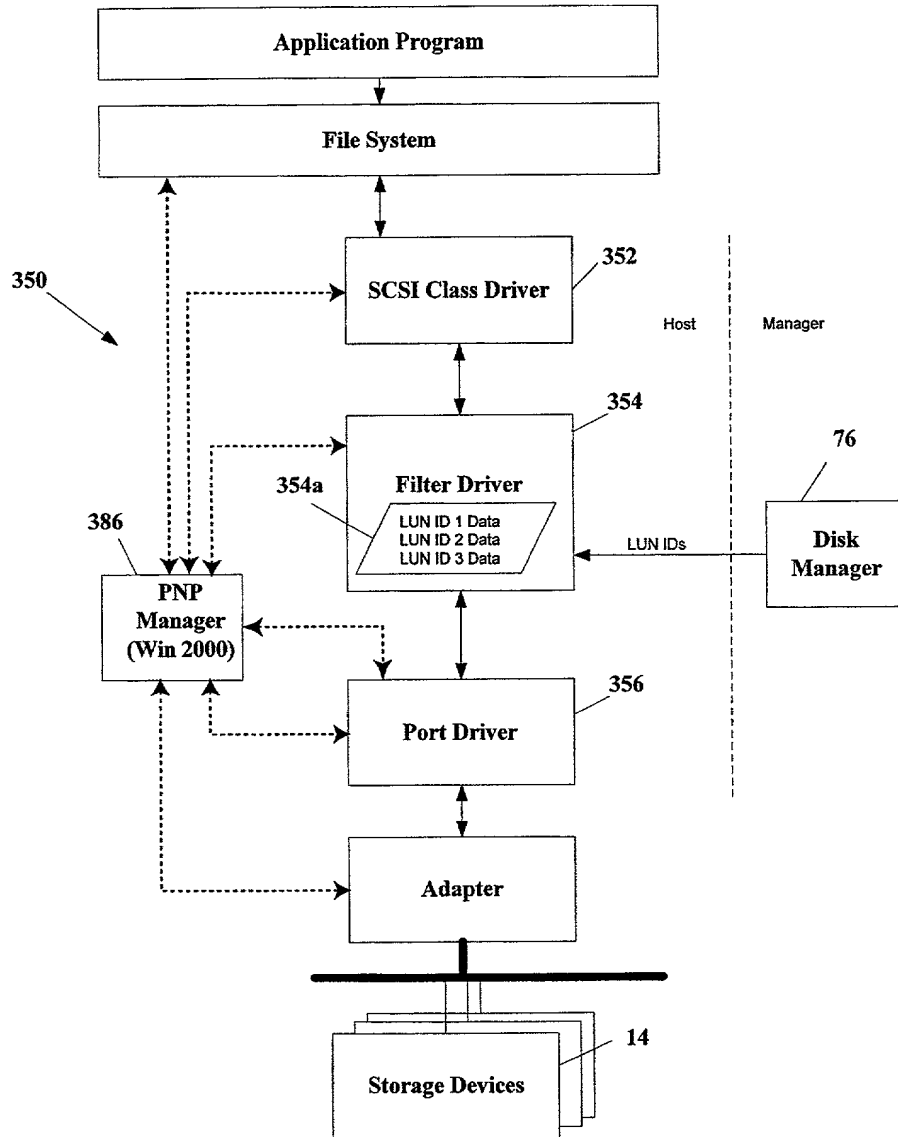
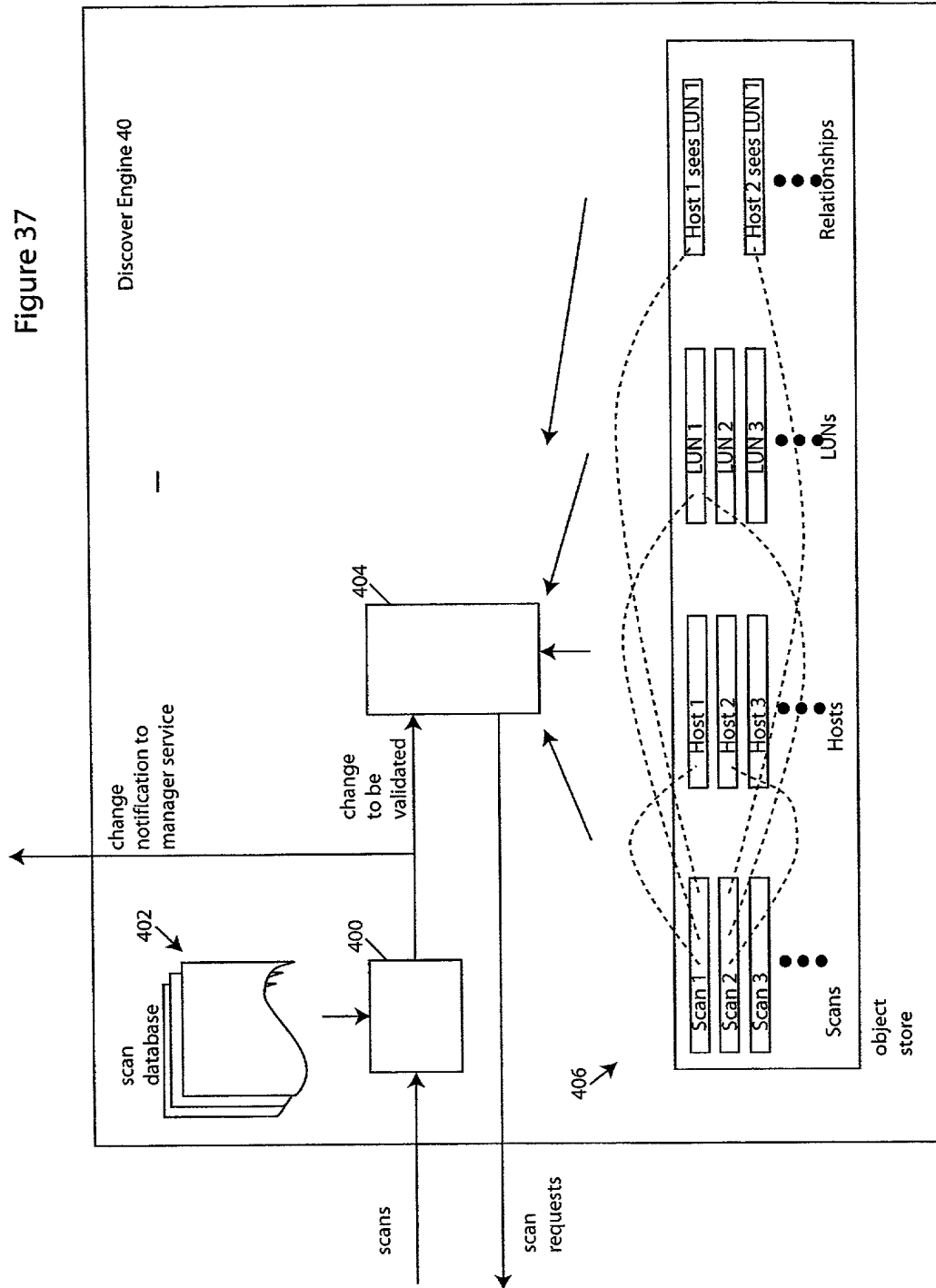


FIGURE 36

Figure 37



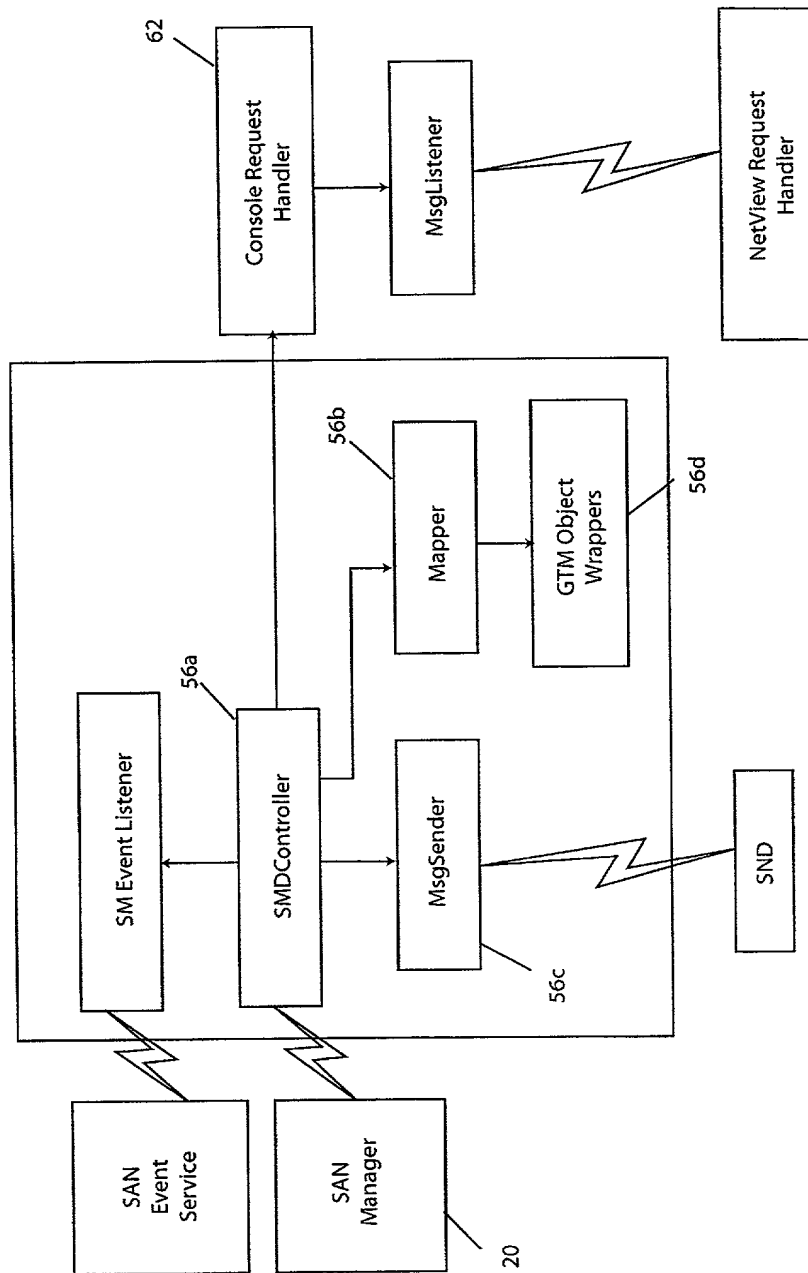


Figure 38

364

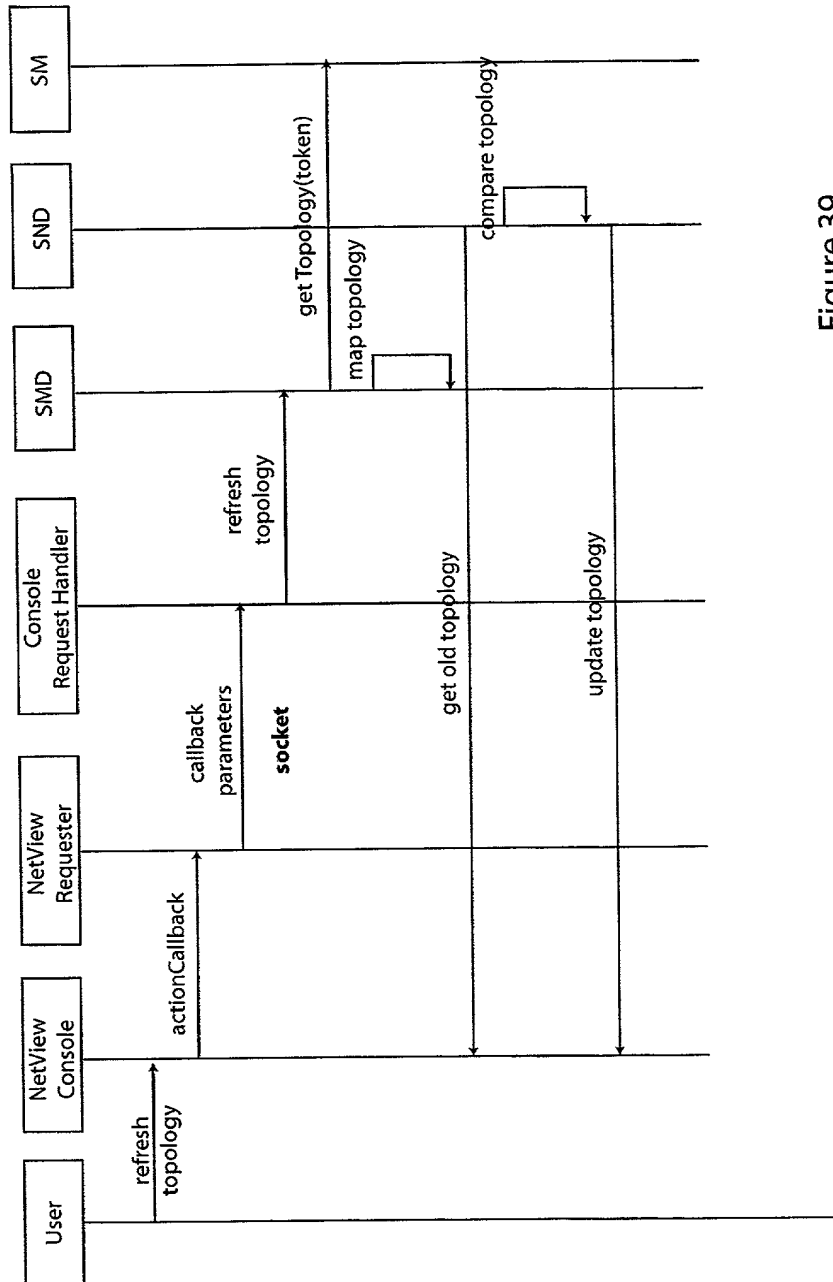


Figure 39

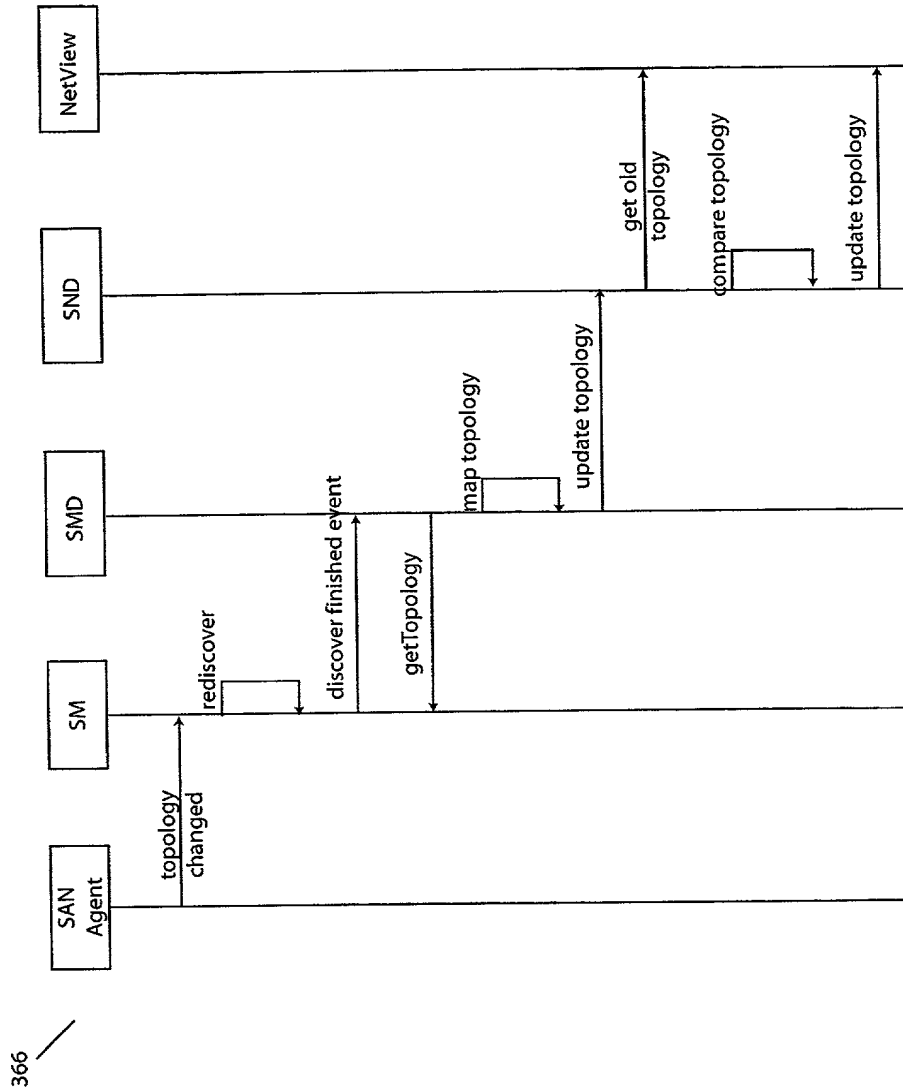
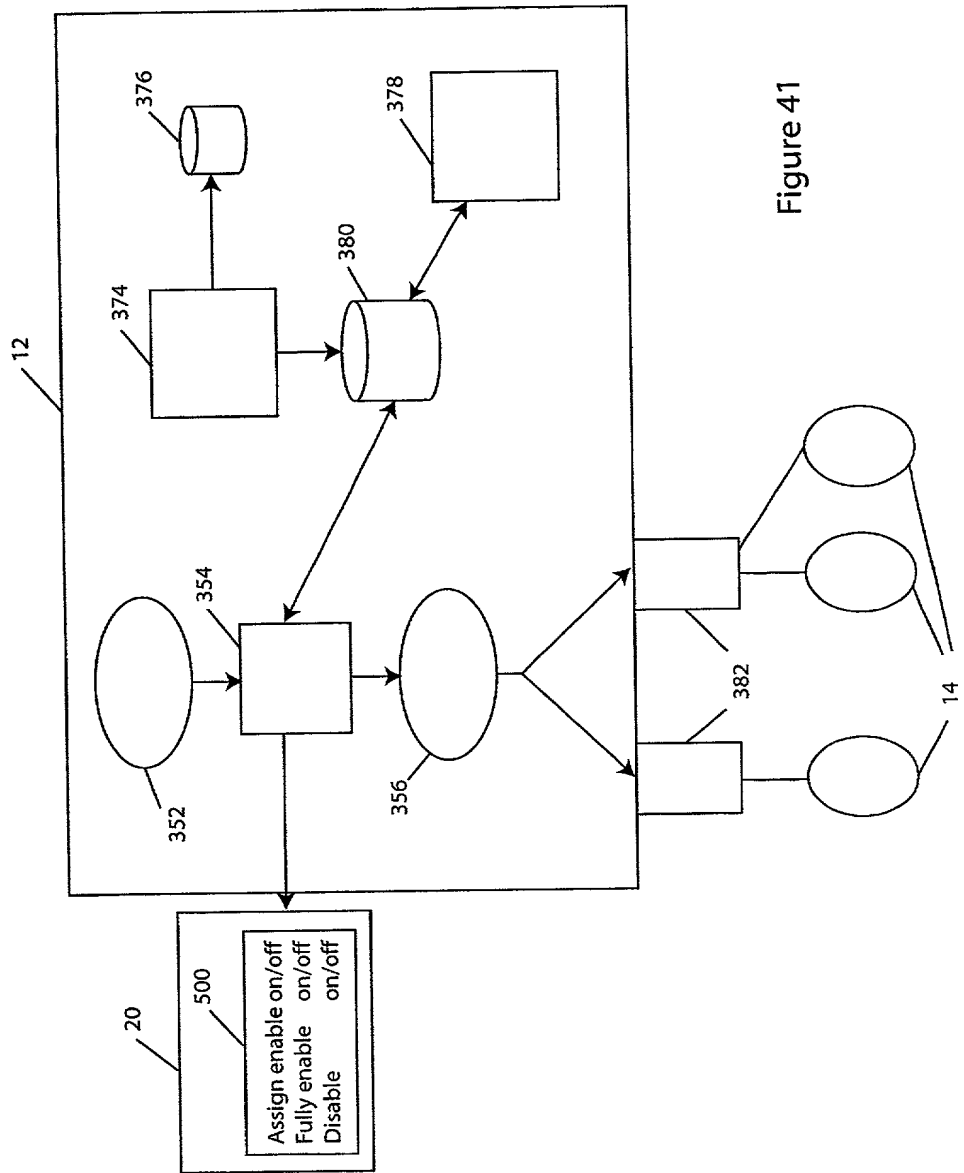


Figure 40



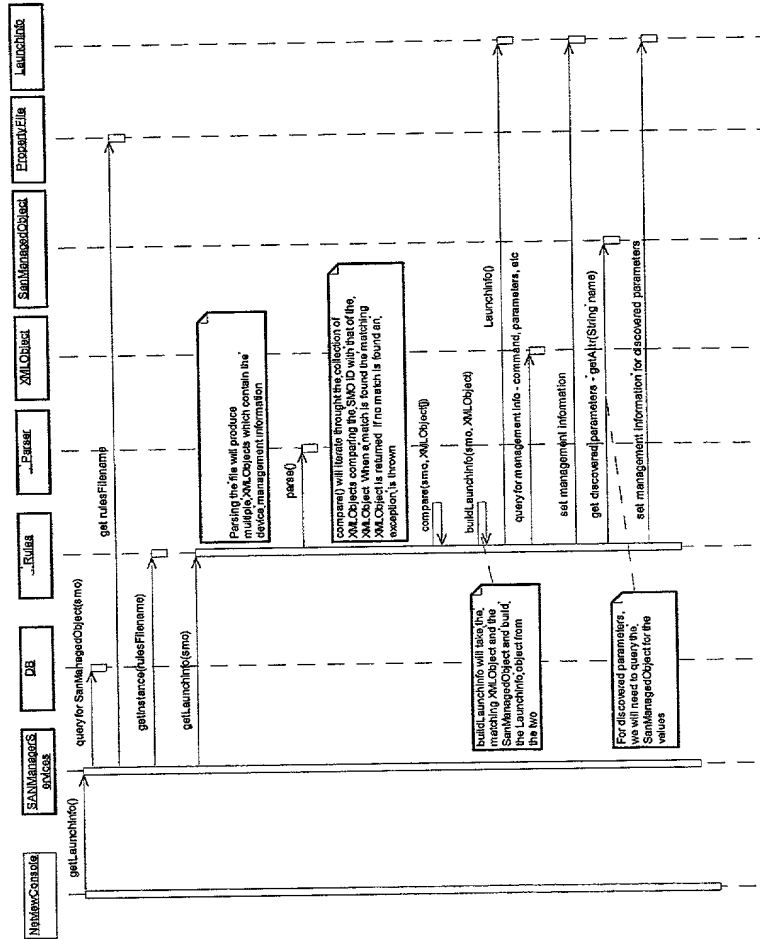


Figure 42

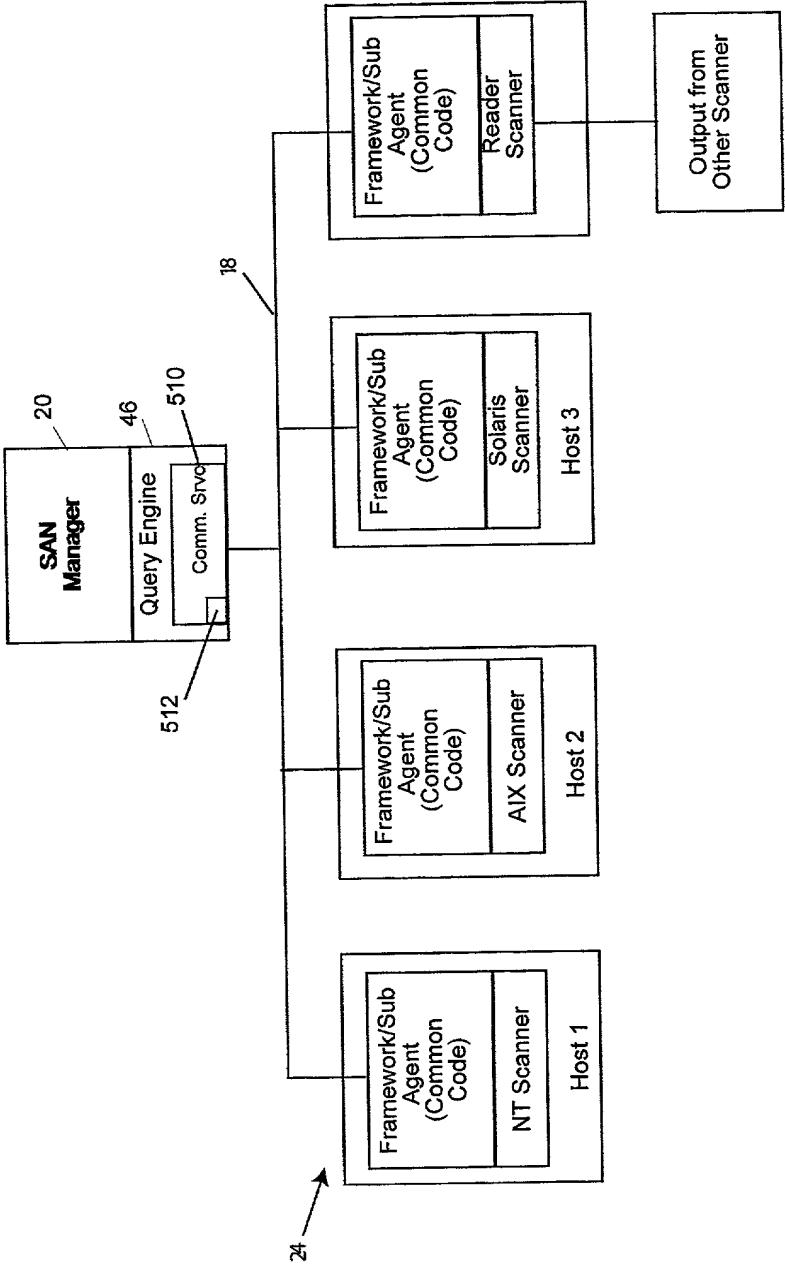


Figure 43